RYCO®

ASSEMBLY EQUIPMENT 2026









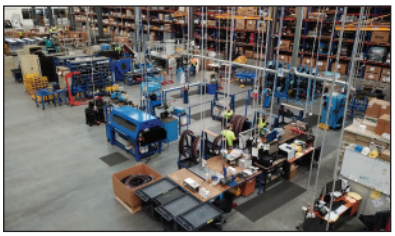
www.ryco-hydraulics.com

INTRODUCTION

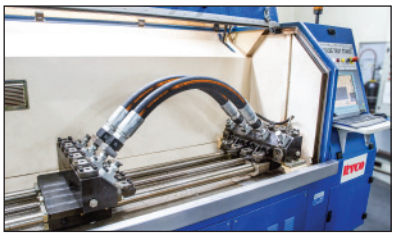
"At Ryco we design, manufacture, and supply premium quality and cutting-edge fluid transfer products, and solutions for a large range of industries around the world."



Our experienced Research & Development team take 2D drawings to 3D models to real life products.



Our world-class hoses, fittings and assembly equipment are manufactured in-house to the highest standards.



We test and validate our products to meet and exceed technical industry standards.

DESIGN **MANUFACTURE** **TEST**

SUPPLY **INTEGRATED SYSTEMS**



We provide the complete solution: hoses, fittings, crimping parameters and assembly equipment for a fully integrated system.



We supply fluid conveyance solutions directly to our customers whenever and wherever they are.

Ryco Hydraulics started manufacturing hoses and fittings in 1946. As the hydraulics industry evolved, the company expanded its range, and the main product line soon became high-pressure hydraulic hose and fittings. Today, Ryco Hydraulics is known for its engineering excellence, customer-focus, and highest quality products which continue to attract new customers, from varied industries right across the world.

With a comprehensive range of hydraulic hoses, hydraulic couplings, industrial hoses, and assembly equipment, Ryco is a global leader in designing, manufacturing, and distributing fluid transfer solutions.

Ryco Hydraulics' products not only meet but exceed industry standards, ensuring maximum performance and reliability. From open-pit and underground mining, to construction, agriculture, marine, forestry and oil & gas industries, our hose assemblies are trusted by clients worldwide.

Whether it's our hoses, fittings, or assembly machines, at Ryco Hydraulics we do more than simply supply a product; we understand our success is dependent on our clients' success, safety, and quality.

With a global presence and a focus on local service, we are dedicated to empowering various industries with reliable, high-performance fluid products and systems tailored to our customer's unique needs.



The Ryco Equipment range supports every stage of the hose assembly process, supplying machinery suited to workshop, mobile service, and production environments. Each machine is designed to operate in line with genuine Ryco hose and fitting specifications, supporting consistent assembly standards.

A high-quality hose assembly begins with accurate preparation. Ryco cutting machines deliver clean, perpendicular hose cuts, while skiving machines provide precise removal of hose layers where required to ensure correct fitting engagement and strong assembly performance.

Ryco crimping machines are engineered to deliver accurate, repeatable results in line with Ryco specifications. Insert pushing machines ensure correct fitting insertion prior to crimping, supporting consistency throughout the assembly process.

Once assembled, pressure testing machines allow hoses to undergo proof pressure testing in a controlled environment to verify performance.

Additionally, complementary products for our Ryco Crimping Machines, include but not limited to maintenance kits, pumps, quick change guns, marking dies and more.

The full Ryco Assembly Equipment portfolio provides practical, reliable support for safe and consistent hose assembly in workshop and field environments.

SAFETY INFORMATION

SAFETY GUIDE: DO NOT MIX & MATCH

Manuli Ryco group hoses, fittings, and assembling equipment (including crimping machines) are engineered, tested, and validated as an effective and reliable system. The use of different products and machines will affect and nullify any representation and/or warranty on products, their features and/or performance that may has been provided, and may cause premature hose failures, property damage, serious injury or death for which Manuli Ryco group does not assume any responsibility and/or liability at any title whatsoever.

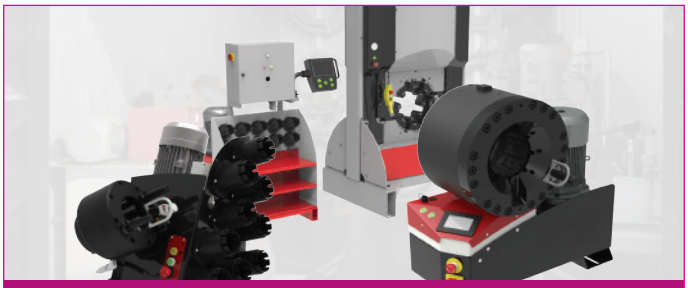
No product is warranted as being fit for any particular purpose other than those uses and/or purposes specified in the relevant official technical specifications, instructions, warnings, operating manuals, technical requirements, instructions and limitations issued by Manuli Hydraulics, Ryco Hydraulics and/or Manuli Ryco group, for specific products ("Technical Literature"), provided that the only official source of technical crimping parameters regarding Manuli Hydraulics, Ryco Hydraulics and/or Manuli Ryco group's products and/or services is the Digital Crimp Tools of the Manuli Ryco group (the "Digital Crimp Tools" and together with the Technical Literature "Specifications"). Therefore, please be sure to use the latest version of Manuli Ryco group's Crimp App and Web Tool to obtain the official technical crimping parameters.

Assembling equipment, including crimping machines, tooling, dies and related accessories shall be installed, assembled, configured, operated, serviced, maintained and repaired exclusively in accordance with the Specifications. The use of non-approved assembly equipment, including crimping machines, tooling, die accessories, spare parts, operating parameters and procedures, or any unauthorized mix-and-match configuration involving assembling equipment, shall invalidate any representation and/or warranty relating to the products and shall be entirely at the user's sole risk and responsibility.

The Digital Crimp Tools constitute the sole official source of crimping parameters approved by Manuli Hydraulics, Ryco Hydraulics and/or Manuli Ryco group. Any crimping parameter, setting, specification or instruction obtained from any source other than the Digital Crimp Tools shall be deemed unauthorized and any use therefore shall be entirely at the user's sole risk and responsibility.

DISCLAIMER

We reserve the right to modify our products and/or related services and/or discontinue the manufacture and/or supply of any of the products and/or related services, without notice. No product is warranted as being fit for a particular purpose and we do not assume any liability in connection with the use of our products other than those technically approved in writing by us, or specified in the relevant official technical specifications released by us, for specific products. This document supersedes all previous versions and previously issued documentation. The only official source of technical crimping parameters regarding our products is our Digital Crimp Tools. Printed copies are uncontrolled therefore, please be sure to use the latest versions of our Ryco Crimp App or visit our Crimp Web Tool. For more information, please visit our dedicated 'Contact' page on the Ryco's website.



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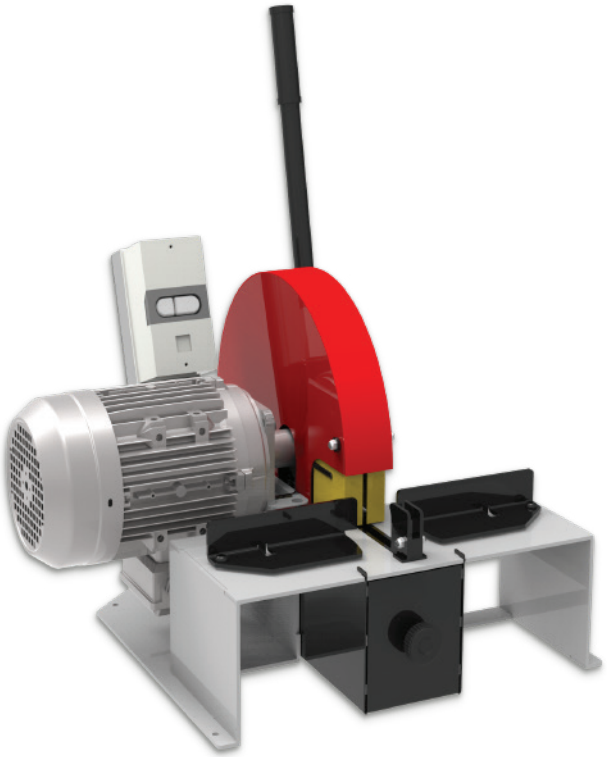
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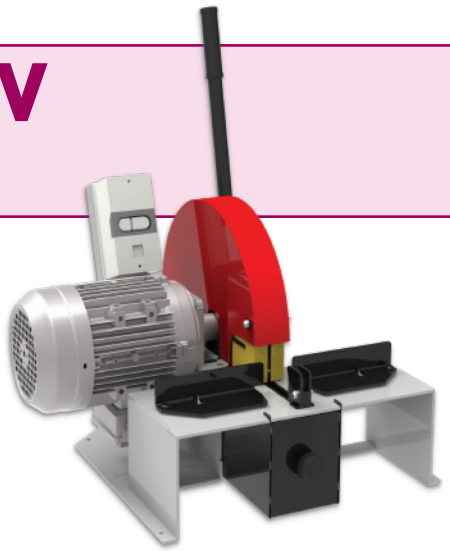
CUTTING MACHINES



Our dedicated range of hose cutting machines produce a high-quality cut even through the toughest hose structures. With a selection of cutting blade styles available, there's no job that our cutting machines can't cope with.

RY 22 CUT / RY 22 CUT V

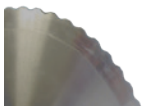
STARTER WORKSHOP
BENCHTOP MOBILE CUTTING MACHINE



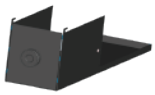
KEY FEATURES:

- Smooth bending system
- 90° cut
- Clean cut
- Scalloped blade
- Dust collector included
- Multiple voltage options

STANDARD EQUIPMENT:



Scalloped Blade



Dust Collector

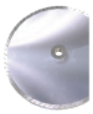
TECHNICAL SPECIFICATIONS:

CAPACITY	**DIMENSIONS**
2wb: 1¼" max.	630 x 485 x 650 mm
4ws: 1¼" max.	(25 x 19 x 26")
ROTATION SPEED	**PACKAGING**
3000 rpm	800 x 600 x 830 mm
SCALLOPED BLADE DIAMETER	(31 x 24 x 33")
254 mm (10") included	**NET WEIGHT**
MAX HOSE OD.	42 kg (93 lb)
50 mm (1.969")	**GROSS WEIGHT**
MOTOR	58 kg (128 lb)
2.2 kW	**TECHNICAL FEATURES**
VOLTAGES	Dimensions van type machine: 488 x 630 x 650 mm (19.2 x 24.8 x 25.6"); 38 kg (84 lb)
220/240 V, 1Ph, 50/60 Hz	
380/415 V, 3Ph, 50 Hz	
110 V, 1Ph, 60Hz	
208/240 V, 3Ph, 60 Hz	
12/24 V also available upon request.	Single-phase S3 25% service factor.

OPTIONAL:



Battery



Slotted Blade

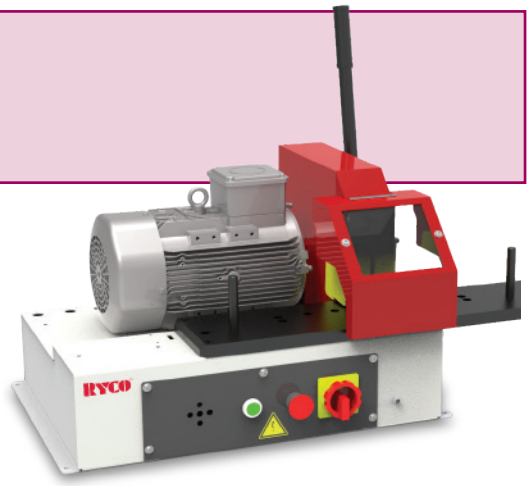


Smoke Extractor
*except version 12/24V

CUTTING MACHINES

RY 30 CUT ECO

STARTER & PROFESSIONAL WORKSHOP
BENCHTOP CUTTING MACHINE, OPTIONAL SKIVING



KEY FEATURES:

- Compact design
- Easy and safe to use
- Versatile, scalloped blade for high performance and efficient cutting with minimal smoke

STANDARD EQUIPMENT:



Scalloped Blade

TECHNICAL SPECIFICATIONS:

CAPACITY	**VOLTAGES**
2wb: 2" max.	220/240 V, 1Ph, 50/60 Hz
4ws: 2" max.	220/240 V, 3Ph, 50 Hz
6ws: 1¼" max.	380/415 V, 3Ph, 50 Hz
Industrial: 2" max.	208/240 V, 3Ph, 60 Hz
ROTATION SPEED	Other voltages available on request
3000 rpm	**DIMENSIONS**
SCALLOPED BLADE DIAMETER	835 x 545 x 640 mm
300 mm (11.8")	(33 x 21 x 25")
MAX HOSE OD.	**PACKAGING**
85 mm (3.346")	1170 x 770 x 1100 mm
MOTOR	(46 x 30 x 43")
3.0 kW	**NET WEIGHT**
	75 kg (165 lb)
	GROSS WEIGHT
	90 kg (198 lb)

OPTIONAL:



Cutting Rail



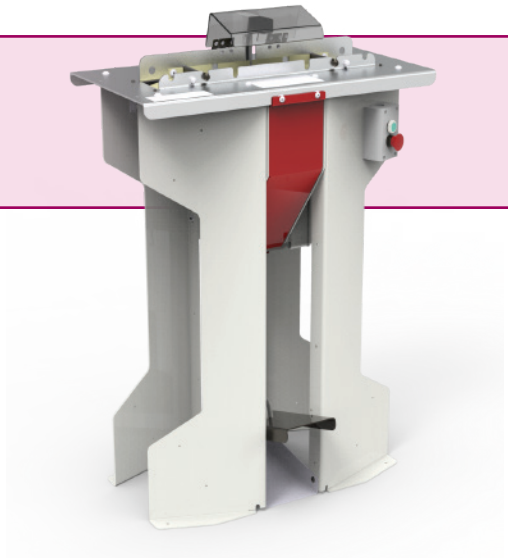
Slotted Blade



Smoke Extractor
*except version 12/24V

RY 30 CUT L

STARTER & PROFESSIONAL WORKSHOP STAND TYPE CUTTING MACHINE



KEY FEATURES:

- Compact design
- Easy and safe to use
- Scalloped blade for clean cut
- High performance and efficient cutting with minimal smoke
- Ergonomic, easy to clean
- Integrated dust collector

STANDARD EQUIPMENT:



Scalloped Blade



Smoke Suction Connector



2 Dust Collectors

TECHNICAL SPECIFICATIONS:

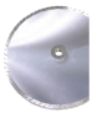
CAPACITY	VOLTAGES
2wb: 2" max.	220/240 V, 3Ph, 50 Hz
4ws: 2" max.	380/415 V, 3Ph, 50 Hz
6ws: 1¼" max.	208/240 V, 3Ph, 60 Hz
Industrial: 2" max.	Other voltages available on request
ROTATION SPEED	**DIMENSIONS**
3000 rpm	765 x 500 x 1150 mm
SCALLOPED BLADE DIAMETER	(30 x 20 x 45")
300 mm (11.8")	**PACKAGING**
MAX HOSE OD.	800 x 600 x 1200 mm
85 mm (3.346")	(32 x 24 x 47")
MOTOR	**NET WEIGHT**
3.0 kW	92 kg (203 lb)
	GROSS WEIGHT
	120 kg (265 lb)

Single-phase S3 25% service factor.

OPTIONAL:



Cutting Rail



Slotted Blade

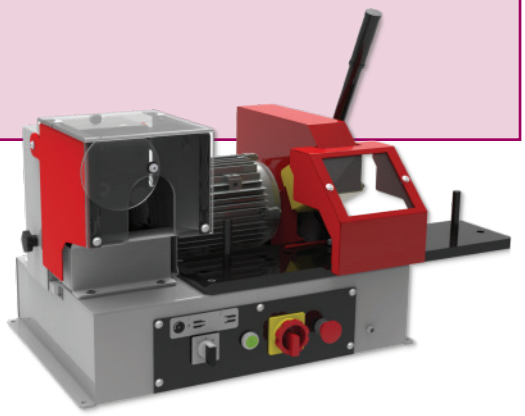


Smoke Extractor
*except version 12/24V

CUTTING MACHINES

RY 30 CUT & SKIVE

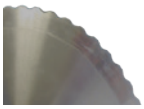
STARTER & PROFESSIONAL WORKSHOP
BENCHTOP CUTTING MACHINE, OPTIONAL SKIVING



KEY FEATURES:

- Compact design
- Two operations in one machine
- Easy and safe to use
- Versatile, scalloped blade for high performance and efficient cutting with minimal smoke
- Dust free skive operation (drawers for dust collection)
- Electronic brake

STANDARD EQUIPMENT:



Scalloped Blade



2 Dust Collectors

TECHNICAL SPECIFICATIONS:

CAPACITY	VOLTAGES
2wb: 2" max.	220/240 V, 1Ph, 50/60 Hz
4ws: 2" max.	220/240 V, 3Ph, 50 Hz
6ws: 1¼" max.	380/415 V, 3Ph, 50 Hz
Industrial: 2" max.	208/240 V, 3Ph, 60 Hz
	Other voltages available on request.
ROTATION SPEED (CUT)	**DIMENSIONS**
3000 rpm	835 x 545 x 640 mm
ROTATION SPEED (SKIVE)	(33 x 21 x 25")
200 rpm	
SCALLOPED BLADE DIAMETER	**PACKAGING**
300 mm (11.8")	1170 x 770 x 1100 mm
MAX HOSE OD.	46 x 30 x 43"
85 mm (3.34")	**NET WEIGHT**
MOTOR	85 kg (187 lb)
2.2 kW	**GROSS WEIGHT**
	100 kg (220 lb)

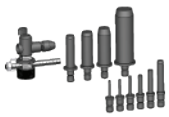
TECHNICAL FEATURES

Skiving tools for External Skiving (ESE) and for Internal Skiving (IS) to be ordered separately.

OPTIONAL:



Cutting Rail



Tool Kit ESE



Smoke Extractor
*except version 12/24V



Tool Kit IS

RY 55 CUT L

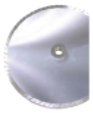
BASIC AND PROFESSIONAL WORKSHOP CUTTING MACHINE



KEY FEATURES:

- Compact design
- Easy and safe to use
- Scalloped blade for clean cut
- High performance and efficient cutting with minimal smoke
- Ergonomic, easy to clean
- Integrated dust collector

STANDARD EQUIPMENT:



Slotted Blade



Smoke Suction Connector



2 Dust Collectors

TECHNICAL SPECIFICATIONS:

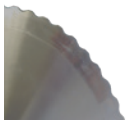
CAPACITY*	VOLTAGES
2wb: 3" max.	220/240 V, 3Ph, 50 Hz
4ws: 2-1/2" max.	380/415 V, 3Ph, 50 Hz
6ws: 2" max.	208/240 V, 3Ph, 60 Hz
Industrial: 3" max.	Other voltages available on request
ROTATION SPEED	**DIMENSIONS**
3000 rpm	830 x 520 x 1160 mm
SCALLOPED BLADE DIAMETER	(33 x 20 x 46")
400 mm (15.7")	**TECHNICAL SPECIFICATIONS:**
MAX HOSE OD.	Diameter of suction connector : 125 mm (5")
95 mm (3.74")	
MOTOR	**NET WEIGHT**
5.5 kW	135 kg (298 lb)

* Indicative capacities depending on hose type.

OPTIONAL:



Cutting Rail



Scalloped Blade



Smoke Extractor
*except version 12/24V



Decoiler



DV 32

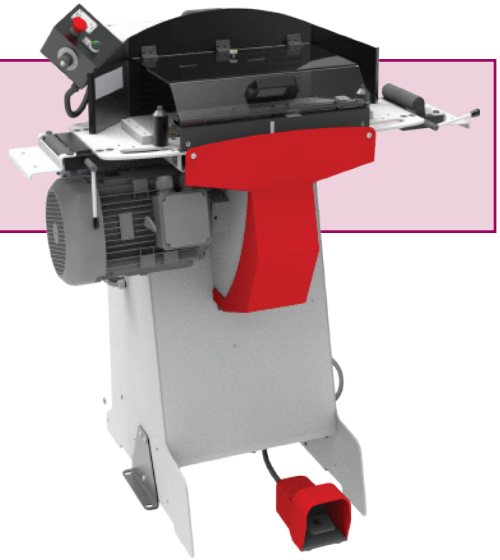


Smooth Blade

CUTTING MACHINES

RY 55 CUT PNEUMATIC

EXPERT SERVICE LINE
STAND TYPE CUTTING MACHINE



KEY FEATURES:

- Versatile, slotted blade for high performance with minimal smoke
- Ergonomic and functional design
- Double foot pedal system
- Safety cover and feeding guides for hose (easy and fast cutting operation)
- Digital counter for maintenance assistance
- Adjustable speed for cutting on pneumatic version



Classic Version

STANDARD EQUIPMENT:



Slotted Blade



Feeding Guide



2 Dust Collectors



Dust Collector

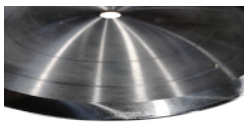
TECHNICAL SPECIFICATIONS:

CAPACITY*	VOLTAGES
2wb: 3" max.	220/240 V, 3Ph, 50 Hz
4ws: 2" max.	380/415 V, 3Ph, 50 Hz
6ws: 2" max.	208/240 V, 3Ph, 60 Hz
Industrial: 2"	Other voltages available on request
ROTATION SPEED	**DIMENSIONS**
3000 rpm	1140 x 1000 x 1280 mm
SCALLOPED BLADE DIAMETER	(45 x 39 x 50")
400 mm (15.7")	**PACKAGING**
MAX HOSE OD.	1600 x 1200 x 1600 mm
80 mm (3.15")	(63 x 47 x 63")
MOTOR	**NET WEIGHT**
7.5 kW	240 kg (529 lb)
	GROSS WEIGHT
	280 kg (617 lb)
	TECHNICAL FEATURES
	Diameter of the suction connection: 150 mm (6")
	Options: Pneumatic bending system, scalloped blade

OPTIONAL:



Cutting Rail



Smooth Blade



Smoke Extractor
*except version 12/24V



Decoiler



DV 32

RY 75 CUT PNEUMATIC

EXPERT SERVICE LINE
STAND TYPE CUTTING MACHINE



Pneumatic Version

KEY FEATURES:

- Very powerful
- Heavy duty for difficult cuts
- Resistant for extreme cuts
- New design:
  - Easy maintenance
  - Efficiency for smoke extraction
- Motor brake
- Pneumatic version (option)
- Option for industrial hose:
  - Blade 540 mm for hoses with external OD max 150 mm



Manual Version

STANDARD EQUIPMENT:



Slotted Blade

TECHNICAL SPECIFICATIONS:

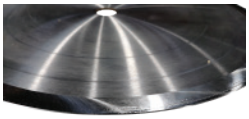
CAPACITY*	VOLTAGES
2wb: 3" max.	220/240 V, 3Ph, 50 Hz
4ws: 2" max.	380/415 V, 3Ph, 50 Hz
6ws: 2" max.*	208/240 V, 3Ph, 60 Hz
ROTATION SPEED	**DIMENSIONS**
3000 rpm	910 x 820 x 1280 mm
SCALLOPED BLADE DIAMETER	(36 x 32 x 50")
520 mm (20.5") included	**NET WEIGHT**
MAX HOSE OD.	215 kg (474 lb)
125 mm (5")**	**TECHNICAL FEATURES**
MOTOR	Diameter of suction connection: 130 mm Electronic soft start
7.5 kW	Optional tool: [2] Pneumatic version Other blade on demand

*Minimum air pressure : 9,5 bar
**150 mm with blade option 540 mm

OPTIONAL:



Cutting Rail



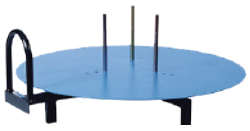
Smooth Blade



Smoke Extractor



Decoiler



DV 32

CUTTING MACHINES

RY 90 CUT

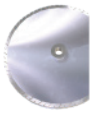
EXPERT SERVICE LINE
STAND TYPE CUTTING MACHINE



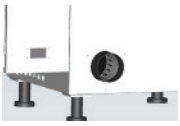
KEY FEATURES:

- Very powerful
- Heavy duty for difficult cuts
- Hydraulic bending
- Motor brake
- Electronic soft start
- Smoke suction integrated in cutting table

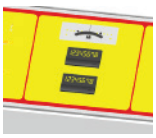
STANDARD EQUIPMENT:



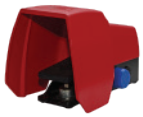
Slotted Blade



Smoke Suction Connector



Production Counters



CME Electrical Footswitch

TECHNICAL SPECIFICATIONS:

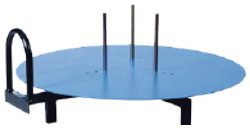
CAPACITY*	VOLTAGES
2wb: 3 ½" max.	220/240 V, 3Ph, 50 Hz
4ws: 3 ½" max.	380/415 V, 3Ph, 50 Hz
6ws: 3" max.	208/240 V, 3Ph, 60 Hz
Industrial: 5" max.	**DIMENSIONS**
ROTATION SPEED	1000 x 1060 x 1350 mm
3000 rpm	(39 x 42 x 53")
SCALLOPED BLADE DIAMETER	**NET WEIGHT**
520 mm (20.5") included	260 kg (573 lb)
MAX HOSE OD.	
125 mm (5")	
MOTOR	
9.0 kW	

* Indicative capacities depending on hose type.

OPTIONAL:



Cutting Rail



DV 32

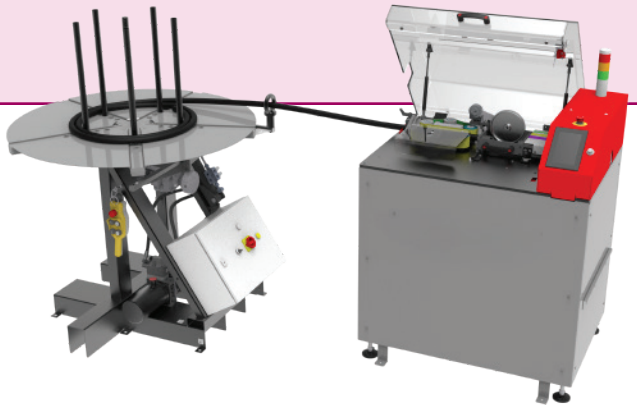


Smoke Extractor
*except version 12/24V



Decoiler

RY 40 CUT AUTO



KEY FEATURES:

- Provided with its own automatic and tiltable decoiler, the M 40 CUT AUTO is the ideal tool for OEM hose assemblers.
- Featured with 4 feeding tubes for hydraulic hoses with OD up to 1” 4SP, and an infinite number of cutting operations, it enables a fast, easy and accurate production process.

TECHNICAL SPECIFICATIONS:

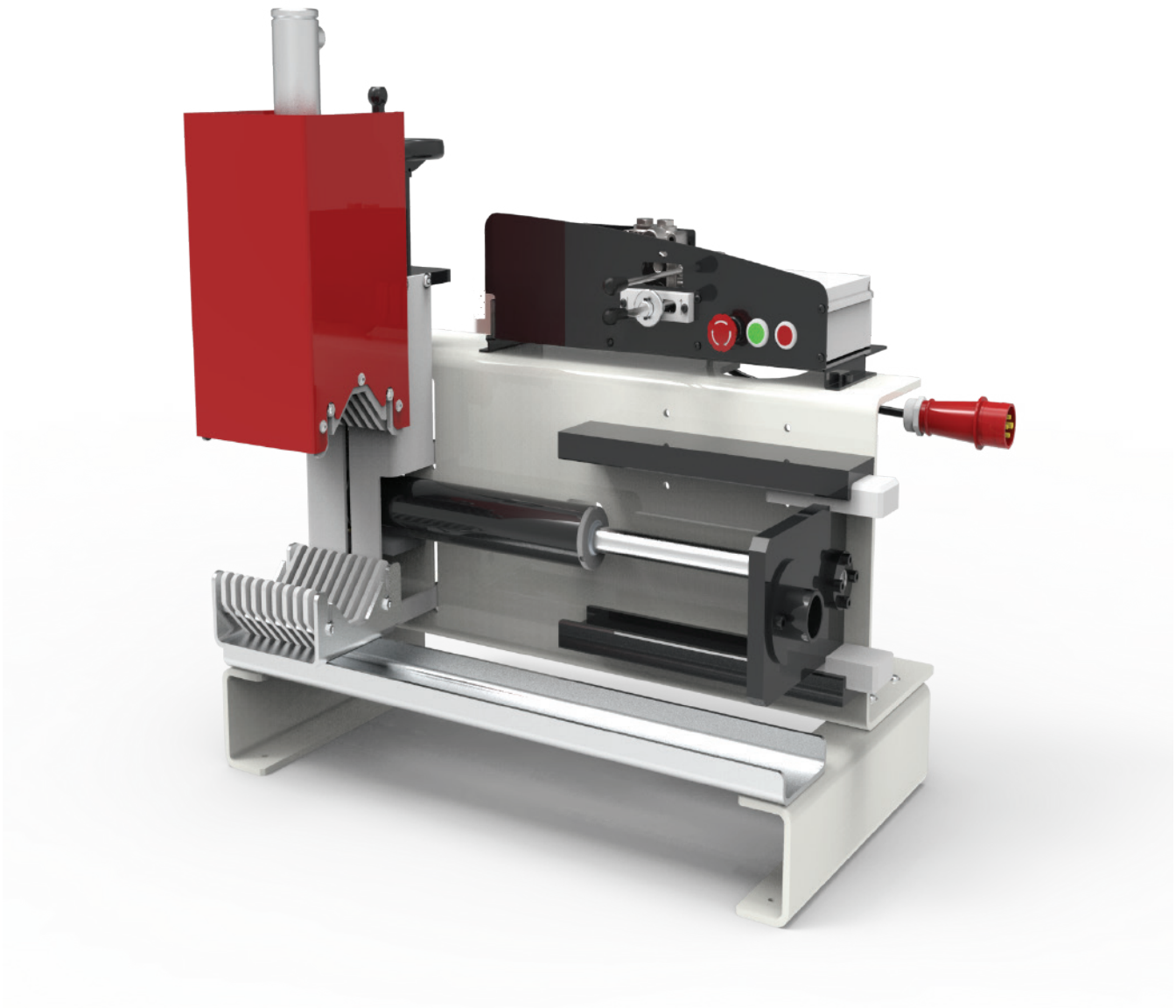
TILTING	DIMENSIONS
0 - 85°	1400 x 1250* x 1600 mm
PLATE DIAMETER	**WEIGHT**
1200 mm	250 kg
MAXIMUM LOAD	**COIL INTERNAL DIAMETER**
200 kg	200 - 600 mm

CUTTING SPECIFICATIONS:

FEEDING TUBES INTERNAL DIAMETER	
11 mm	26 mm
16 mm	40 mm
SLOTTED* BLADE DIAMETER	
400 mm	
MOTOR	**VOLTAGE**
4.5 kW	380/415V - 3Ph - 50/60 Hz
MINIMUM CUTTING LENGTH	
150 mm	
FEEDING SPEED	**ACCURACY**
0.5 m/s	± 1 %
MINIMUM AIR PRESSURE	
6 bar	
WEIGHT	**DIMENSIONS**
380 kg	1100 x 800 x 1500 mm

*Smooth blade available
**Adjustable cutting speed

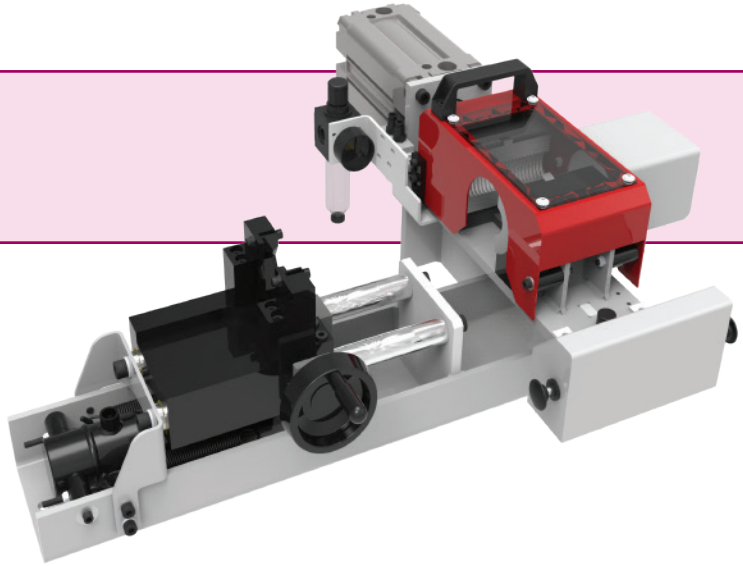
INSERT PUSHING MACHINES



Our insert pushing equipment takes the effort and uncertainty out of building hose assemblies by making sure that fittings are fully inserted prior to crimping.

RY 1500 INS

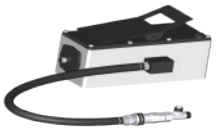
MAINTENANCE WORKSHOP
VERTICAL BENCHTOP



KEY FEATURES:

- Compact
- Sturdy
- Powerful

STANDARD EQUIPMENT:



Hydro-Pneumatic Pump

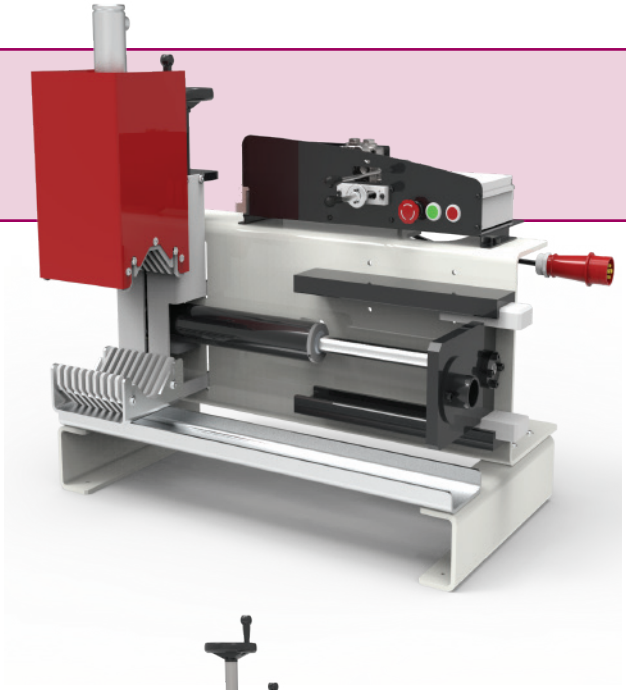
TECHNICAL SPECIFICATIONS:

CAPACITY	POWER SUPPLY
2wb: 2" max. 4ws: 2" max. 6ws: 2" max.	Compressed air (7 bar)
DIMENSIONS	**TECHNICAL FEATURES**
750 x 660 x 300 mm (30 x 26 x 12")	Optional tool: for small bore ¼", ⅜, ½" shell
NET WEIGHT	
70 kg (154 lb)	

INSERT PUSHING MACHINES

RY 2000 INS

EXPERT SERVICE LINE
BENCHTOP COUPLING INSERTER



KEY FEATURES:

- Compact
- Sturdy
- Powerful hydraulic cylinder
- Insert centring device
- Joystick operated clamping and insertion



Hydraulic Manual Version

TECHNICAL SPECIFICATIONS:

CAPACITY	DIMENSIONS
6ws: 3/4" - 2" with special tool	800 x 500 x 900 mm
6ws: 2" - 4"	(31 x 20 x 35")
Industrial: 6"	**VOLTAGES**
INSERTION SPEED*	380/415, 3 Ph, 50 Hz
28 mm/s	**MAXIMUM FLANGE**
INSERTION STROKE	250 mm
300 mm	**CLAMPING LENGTH**
INSERTION FORCE	200 mm
2 000 daN	**NET WEIGHT**
POWER*	150 kg (330 lb)
1.5 kW	

ISOBARIC HOSE

1/2 BEND RADIUS

MILLION CYCLE



PERFORMANCE AT A GLANCE:

H SERIES ISOBARIC SPIRAL HOSE

- Half SAE minimum bend radius.
- Highly flexible for easier routing and installation.
- Isobaric pressure from 215 bar/3100 psi (H3000) to 420 bar/6100 psi (H6000).
- Lighter weight means your hydraulic system is more compact and economical.
- 81 products in the H series Spiral range.
- Includes “World First” H6032 2” (DN51) hose.

T SERIES ISOBARIC BRAID HOSE

- Half SAE minimum bend radius.
- Highly flexible for easier routing and installation.
- Isobaric pressure from 215 bar/3100 psi (T3000) to 420 bar/6100 psi (T6000).
- Lighter weight means your hydraulic system is more compact and economical.
- 81 products in the T series Braid hose range.
- T3000 Braid is proven to impulse test of one million cycles in all sizes.
- Meets and exceeds the performance requirements of ISO 18752 (all series).

Up to half SAE minimum bend radius for T Series Isobaric Braid Hose and H Series Isobaric Spiral Hose.
H Series Isobaric Spiral and T3000 tested to one million impulse cycles.

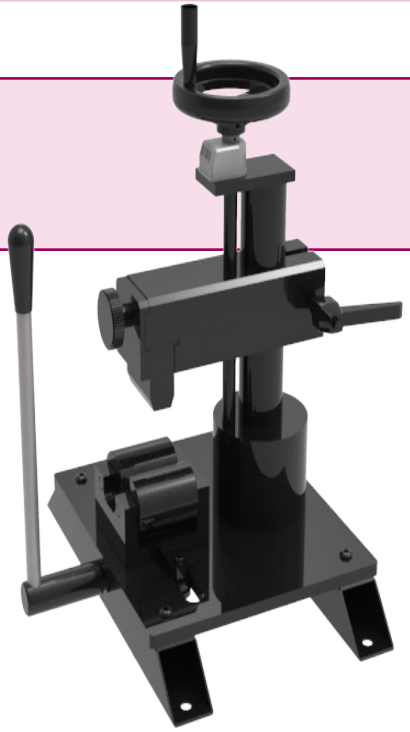
MARKING MACHINES



Ensure full traceability with our ferrule marking equipment, complete with a full set of alpha-numeric and additional character punches.

RY 50 MARK

AFTER MARKET SERVICE
BENCHTOP, FERRULE MARKING



KEY FEATURES:

- Robust
- Easy to use
- Compact
- Large space for 14 stamps
- Stamp holder with numbering wheel; 3 figures on the wheel + 1 groove for stamps

TECHNICAL SPECIFICATIONS:

CAPACITY 2wb: 4" max. 4ws: 4" max.	**SIZE OF THE STAMPS** 6 x 3 mm (0.236 x 0.118")
DIMENSIONS 390 x 360 x 520 mm (15 x 14 x 20")	**HEIGHT OF THE LETTERS** 2.5 mm (0.098")
PACKAGING 800 x 600 x 830 mm (31 x 24 x 33")	**TECHNICAL FEATURES** Optional stamp holder with numbering wheel: 3 figures on the wheel and one groove for 10 stamps
NET WEIGHT 34 kg (75 lb)	**STAMP BOX** Includes stamp box of 100 stamps & 20 blanks
GROSS WEIGHT 50 kg (110 lb)	
STANDARD STAMP HOLDER 2 x 14 stamps	

CRIMPING MACHINES



Our crimping machines come in a variety of sizes and capacities, making them ideal for everything from one-off, small bore maintenance jobs to full scale assembly production operations.

CRIMPING MACHINES EVO RANGE

Ryco Hydraulics is always on the lookout for ways to improve both the efficiency and the quality of new and existing production operations.

As a market leader in assembly machines, we wanted to offer new crimping machines to improve the operator's comfort, giving more flexibility when assembling hoses. This led to the creation of the new EVO crimping machines.

These machines combine the robustness required for harsh environments with the reliability needed for busy workshops. Their compact and ergonomic design, along with the ease of set up and maintenance, make them suitable for a variety of applications.

This extensive range is highly adaptable, with various options available allowing users to customise their machine according to their specific needs.

- Extensive range for both industrial and hydraulic hoses.
- 137, 240, 350 and 420 tonnes variants
- From 3/16 up to 4" hose diameter
- 3 kW, 4 kW and 5,5 kW motor for 1 Ph/3Ph

- SC panel - Smart Control panel. Daily counter. Semi-automatic opening.
- SCE panel - electronic micrometer with the ability to save up to 75 configurations
- Caliper connected and numerical display of the crimping range on SCE and SCS
- SCS panel - Safe Crimp System

- Compact and ergonomic design
- Easy set up
- Various options available depending on our customers' needs and workshops

- Robust
- Ease of maintenance (foam pads and dust collector)
- Compatibility with all tensions (different frequencies)

SAFE CRIMP OPTIONS

SAFE CRIMP (SC) SMART CONTROL PANEL

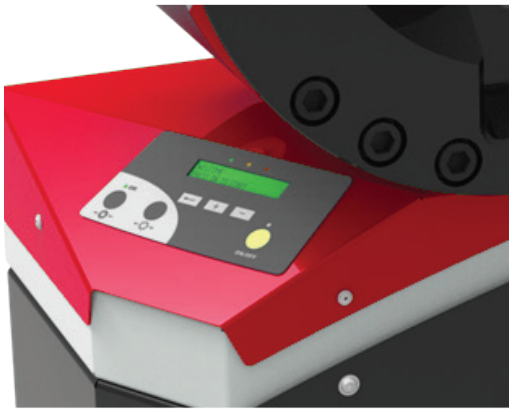
A basic smart control panel, which includes maintenance functions essential for keeping the machine in good condition.

Maintenance functions include:

2 Counters: 1 daily counter and 1 machine cycle counter

3 LED Indicator Lights: 1 for daily maintenance, 1 for advanced maintenance and 1 for expert maintenance

Semi-Automatic Function: The semi-automatic opening is ideal for serial assemblies as it can be adjusted specifically to allow the fitting to pass through the dies with minimal clearance, saving energy by reducing the cycle time.



SAFE CRIMP ELECTRICAL PANEL (SCE)

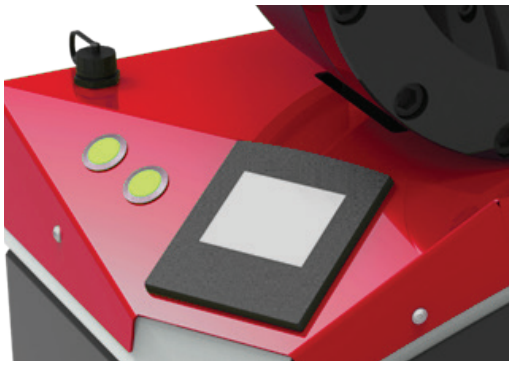
A modern touch screen with electronic buttons, which includes maintenance functions essential for keeping the machine in good condition.

Maintenance functions include:

Functions of the SC

Electronic micrometer: with the possibility to save up to 75 hose configurations and automatic die selection. Recording of 35 die-sets

Caliper option: for automatic correction of the crimping diameter



SAFE CRIMP OPTIONS

SAFE CRIMP SYSTEM (SCS)





Benefits of Safe Crimp System (SCS) control for hose assembly activity:

Friendly and easy setting of crimping parameters including:

- Pre-set of crimp Ø calibration to compensate ferrule elastic rebound
- Reminder of dies to be used
- Easy automatic opening setting
- Storage of recurrent and customised crimp recipes: favourite crimp assemblies:
- Short cuts for faster setting
- No crimp Ø re-adjusting
- Possibility to download your customised recipes by USB port and save on separate computer (CSV file)

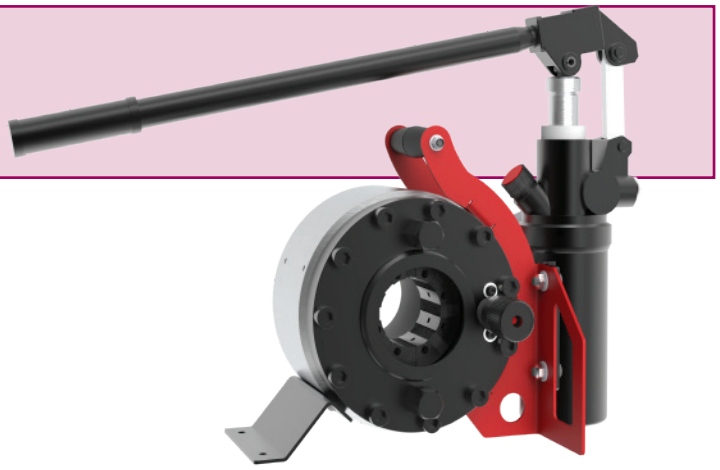
Production counter for batch quantity control:

- Quality monitoring through automatic crimp control
  (Available on certain production and industrial machines)
- Continuous measurement of crimping pressure with real time display (Available on certain production and industrial machines / Optional on benchtop machine screens)
- Countdown of crimps to be performed, monitored according to the preset pressure range
  (Available on certain production and industrial machines / Optional on benchtop machine screens)
- Operator identification (Log in / log out)
- Maintenance Warnings

CRIMPING MACHINES

RY 80 HP EVO

MAINTENANCE WORKSHOP
VERTICAL BENCHTOP



KEY FEATURES:

- Compact
- Lightweight
- Easy to use
- Balanced design
- Dual stage pump

TECHNICAL SPECIFICATIONS:

CAPACITY*	**DIMENSIONS**
2wb: 1" max.	360 x 270 x 390 mm
4ws: ½" max.	(14 x 11 x 15")
CRIMP RANGE	**PACKAGING**
6 - 43 mm (0.236 - 1.693")	800 x 600 x 830 mm
CRIMP FORCE	(31 x 24 x 33")
80 t	**NET WEIGHT**
OPENING WITH DIES	26 kg (57 lb)
+20 mm (+0.787")	**GROSS WEIGHT**
COMPLETE OPENING	39 kg (86 lb)
59 mm (2.323")	**TECHNICAL FEATURES**
MASTER DIE LENGTH	Hand pump: 5000 psi (double speed)
56 mm (2.205")	
STANDARD DIES	
16, 18, 20, 22, 24, 27, 30**	

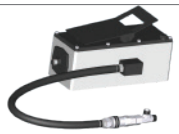
*Indicative capacities depending on hose and fitting type

** Master-dies used as dies set N°39

OPTIONAL:



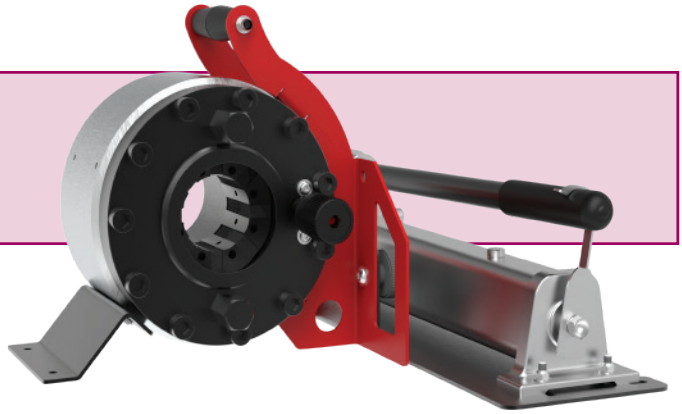
Maintenance Kits



Hydro-Pneumatic Pump

RY 110 HP EVO

MAINTENANCE WORKSHOP
VERTICAL BENCHTOP



KEY FEATURES:

- Flexible
- Portable
- Robust (protected narrow head)
- Multi-positioning (with removable plate)

OTHER VERSION AVAILABLE



Head Only Version



Magnet Version

TECHNICAL SPECIFICATIONS:

CAPACITY*	**DIMENSIONS**
2wb: 1" max.	289 x 237 x 270 mm
4ws: ½" max.	(11 x 9 x 10")
CRIMP RANGE	**PACKAGING**
6 - 43 mm (0.236 - 1.693")	800 x 600 x 830 mm
CRIMP FORCE	(31 x 24 x 33")
110 t	**NET WEIGHT**
OPENING WITH DIES	29 kg (63 lb)
+20 mm (+0.787")	Magnet version: 30kg (66 lb)
COMPLETE OPENING	**WEIGHT (HEAD ONLY)**
59 mm (2.323")	21 kg (46 lbs)
MASTER DIE LENGTH	
60 mm (2.362")	
STANDARD DIES	
16, 18, 20, 22, 24, 27, 30, 39**	

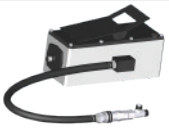
*Indicative capacities depending on hose and fitting type

** Master-dies used as dies set N°39

OPTIONAL:



Maintenance Kits

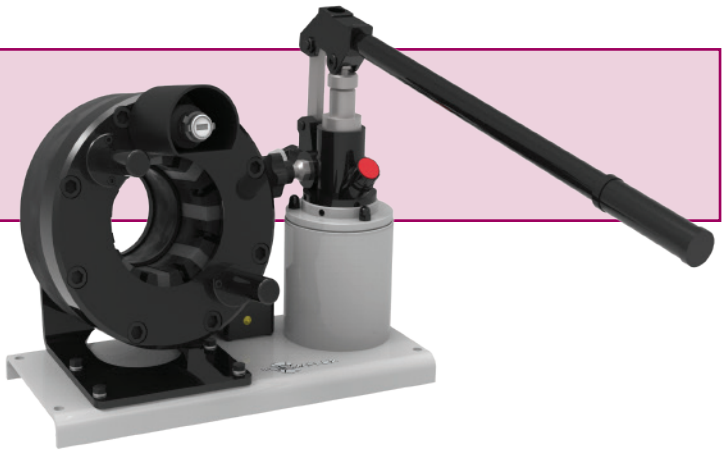


Hydro-Pneumatic Pump

CRIMPING MACHINES

RY 137 HP

MAINTENANCE WORKSHOP
VERTICAL BENCHTOP



KEY FEATURES:

- High capacity
- Narrow head
- Audio-visual signal
- 350 bar technology robust & reliable
- Large opening

TECHNICAL SPECIFICATIONS:

CAPACITY*	**DIMENSIONS**
2wb / 4ws: 1"¼ max. Industrial: 1"1/2 max.	480 x 250 x 340 mm (19 x 10 x 13")
CRIMP RANGE	**PACKAGING**
4-70 mm (0.157 - 2.756")	800 x 600 x 830 mm (31 x 24 x 33")
CRIMP FORCE	**NET WEIGHT**
137 t	55 kg (121 lb)
OPENING WITH DIES	**GROSS WEIGHT**
+28 mm (+1.102")	75 kg (165 lb)
COMPLETE OPENING	
108 mm (4,252")	
MASTER DIE LENGTH	
75 mm (2.953")	
STANDARD DIES	
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51 and Refrifast dies 14, 18, 21	

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Maintenance Kits

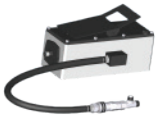

Die Storage Panel


Aluminium Quick Change Gun


Die Sets for Brake & Air Conditioning Hoses

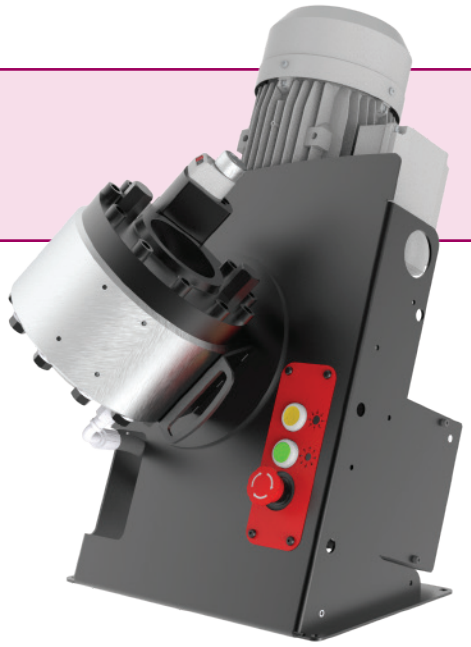

Die Storage Table


Marking Dies


Hydro-pneumatic Pump

RY 70 EVO R

MAINTENANCE WORKSHOP
VERTICAL BENCHTOP



KEY FEATURES:

- Ergonomically positioned adjustable head
- Axis of the head situated perpendicular to the operator
- Compact

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb: 1" max.	2.2 kW
4ws: 3/4" max.	**VOLTAGES**
CRIMP RANGE	220/240 V, 1Ph, 50 Hz
6 - 43 mm (0.236 - 1.692")	380/415V, 3Ph + N, 50Hz
CRIMP FORCE	Other voltages available on request
70 t	**DIMENSIONS**
OPENING WITH DIES	360 x 530 x 620 mm
+20 mm (+0.787")	(14 x 21 x 25")
COMPLETE OPENING	**NET WEIGHT**
59 mm (2.323")	58 kg (128 lb)
MASTER DIE LENGTH	**GROSS WEIGHT**
60 mm (2.362")	71 kg (156 lb)
STANDARD DIES	
06, 08, 10, 12, 15, 18, 21, 24,	
27, 30.	
NOISE LEVEL	
<70 bB A	

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Maintenance Kits

CRIMPING MACHINES

RY 137 EVO R

MAINTENANCE WORKSHOP
VERTICAL BENCHTOP



KEY FEATURES:

- Ergonomically positioned adjustable head
- Axis of the head situated perpendicular to the operator
- Compact

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb / 4ws: 1"¼ max.	1.5 kW (110V)
Industrial: 1"1/2 max.	2.2 kW (230V)
CRIMP RANGE	**VOLTAGES**
4-70 mm (0.157 - 2.756")	110 V, 1Ph, 60 Hz
CRIMP FORCE	220/240 V, 1 Ph, 50 Hz
137 t	380/415V, 3 Ph + N, 50 Hz
OPENING WITH DIES	+12/24V
+28 mm (+1.102")	Other voltages available on request
COMPLETE OPENING	**DIMENSIONS**
108 mm (4,252")	360 x 530 x 620 mm
MASTER DIE LENGTH	(14 x 21 x 25")
75 mm (2.953")	**NET WEIGHT**
STANDARD DIES	85 kg (187 lb)
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51	**GROSS WEIGHT**
	89 kg (196 lb)
NOISE LEVEL	
<70 dB A	

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Maintenance Kits



Die Storage Panel



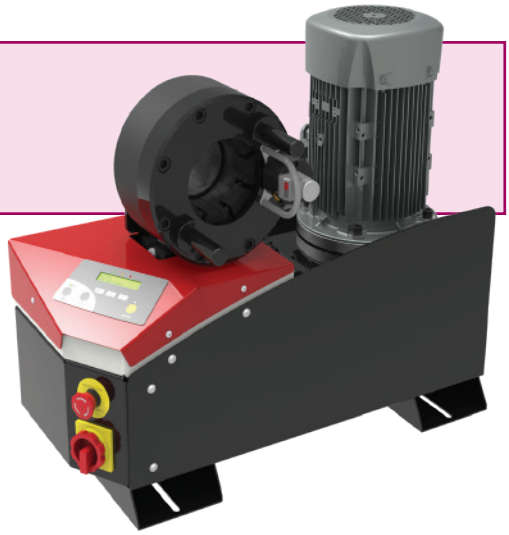
Die Storage Panel EVO



Aluminium Quick Change Gun

RY 137 EVO

ASSEMBLING FOR FIELD REPAIR BENCHTOP CRIMP MACHINE



Model shown equipped with SCE control panel

KEY FEATURES:

- Crimp force of up to 137 tonnes for hoses up to 1”¼
- Easy to use and robust
- Extensive range of dies to suit crimping of hydraulic hoses
- Easy set up and maintenance
- Fast and reliable
- Digital micrometer

CONTROL OPTIONS AVAILABLE ON REQUEST



SC



SCE



SCS

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb / 4ws: 1”¼ max.	4 kW
Industrial: 1”1/2 max.	**VOLTAGES**
CRIMP RANGE	220/240 V, 1Ph, 50/60 Hz
4-70 mm (0.157 - 2.756”)	220/240 V, 3Ph, 50 Hz
CRIMP FORCE	380/415 V, 3Ph, 50 Hz
137 t	208/240 V, 3Ph, 60 Hz
OPENING WITH DIES	Other voltages available on request
+28 mm (+1.102”)	**DIMENSIONS**
COMPLETE OPENING	765 x 400 x 650 mm
108 mm (4,252”)	(30 x 16 x 26”)
MASTER DIE LENGTH	**NET WEIGHT**
75 mm (2.953”)	160 kg (353 lb)
STANDARD DIES	
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51	
NOISE LEVEL	
<70 dB A	

*Indicative capacities depending on hose and fitting type.

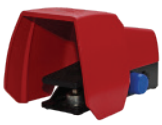
OPTIONAL:



Maintenance Kits



Die Storage Panel



Electrical Footswitch



Die Storage Table EVO



Die Storage Table



Aluminium Quick Change Gun



Digital Caliper



Die Sets for Brake & Air Conditioning Hoses



Marking Dies

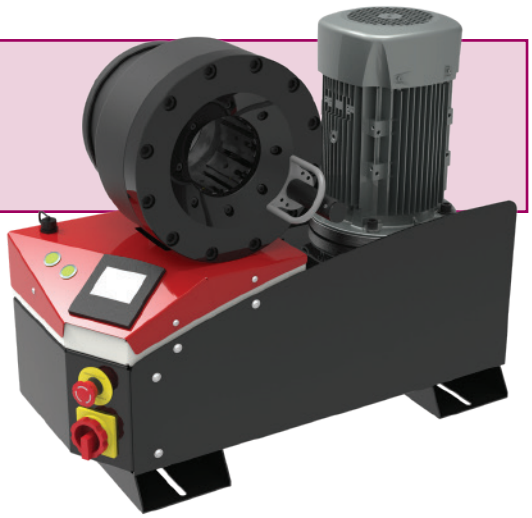


Die Storage Panel EVO

CRIMPING MACHINES

RY 240 EVO

PROFESSIONAL WORKSHOP BENCHTOP

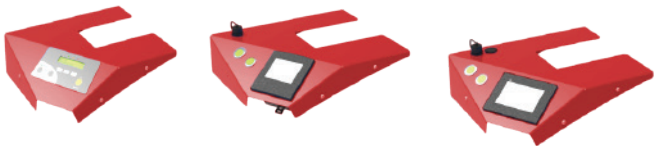


Model shown equipped with SCE control panel

KEY FEATURES:

- Crimp force of up to 240 tonnes for hoses up to 2”
- Easy to use and robust
- Radial die movement
- High crimping force
- Extensive range of dies to suit crimping of hydraulic hoses
- Easy set up and maintenance
- Fast and reliable

CONTROL OPTIONS AVAILABLE ON REQUEST



SC SCE SCS

TECHNICAL SPECIFICATIONS:

CAPACITY*	**NOISE LEVEL**
2wb: 2” max.	<70 dB A
4ws: 2” max.	**MOTOR**
6ws: 1”1/2 max.	4.0 kW
CRIMP RANGE	**VOLTAGES**
4 - 76 mm (0.157 - 2.992”)	220/240 V, 1Ph, 50/60 Hz
CRIMP FORCE	220/240 V, 3Ph, 50 Hz
240 t	380/415 V, 3Ph, 50 Hz
OPENING WITH DIES	208/240 V, 3Ph, 60 Hz
+38 mm (+1.496”)	Other voltages available on request
COMPLETE OPENING	**DIMENSIONS**
118 mm (4.645”)	765 x 400 x 650 mm
MASTER DIE LENGTH	(30 x 16 x 26”)
100 mm (3.937”)	**NET WEIGHT**
STANDARD DIES	165 kg (364 lb)
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70	

*Indicative capacities depending on hose and fitting type.

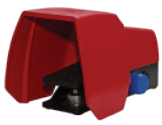
OPTIONAL:



Maintenance Kits



Die Storage Panel



Electrical Footswitch



Die Storage Table EVO



Die Storage Table



Aluminium Quick Change Gun



Digital Caliper



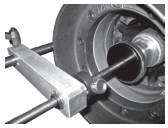
Die Sets for Brake & Air Conditioning Hoses



Marking Dies



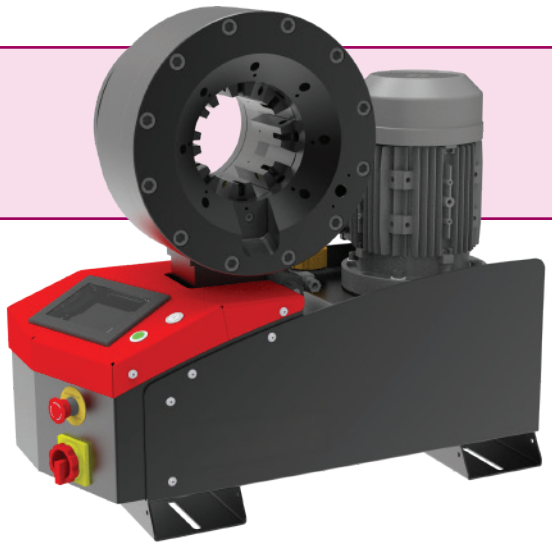
Die Storage Panel EVO



Mechanical Backstop

RY 350 EVO / L

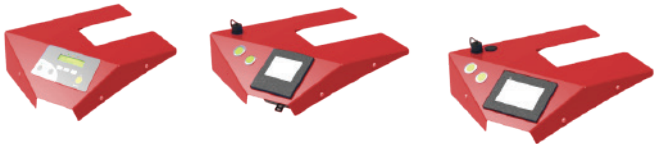
FULL SERVICE WORKSHOP
BENCHTOP; VERY HIGH CRIMP FORCE



KEY FEATURES:

- Crimp force up to 350 tonnes for hoses up to 3”
- Easy to use and robust
- Automatic maintenance alerts
- Groove for 90° long drop fittings
- Also available as S CRIMP 350 L with 4.0 kW motor
- Model shown equipped with SCS control panel

CONTROL OPTIONS AVAILABLE ON REQUEST



SC SCE SCS

TECHNICAL SPECIFICATIONS:

CAPACITY*	**NOISE LEVEL**
2wb: 3” max.	<70 dB A
Industrial: 4” max.	**MOTOR**
4ws: 2” max.	5.5 kW / 4 kW
6ws: 2” max.	**VOLTAGES**
CRIMP RANGE	220/240 V, 3Ph, 50 Hz
4 - 130 mm (0.157 - 5.118”)	380/415 V, 3Ph, 50 Hz
CRIMP FORCE	208/240 V, 3Ph, 60 Hz
350 t	380/415 V, 3Ph, 60 Hz
OPENING WITH DIES	**DIMENSIONS**
+54 mm (+2.125”)	765 x 400 x 750 mm (30 x 16 x 30”)
COMPLETE OPENING	
180 mm (7.086”)	**NET WEIGHT**
MASTER DIE LENGTH	262 kg (578 lb)
115 mm (4.523”)	
STANDARD DIES	Automatic maintenance alerts -Cylinder protection against dust - durable design -Also available as S CRIMP 350 EVO L with 4.0 kW Motor
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76	

*Indicative capacities depending on hose and fitting type.

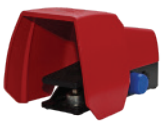
OPTIONAL:



Maintenance Kits



Die Storage Panel



Electrical Footswitch



Die Storage Table EVO



Die Storage Table



Aluminium Quick Change Gun



Digital Caliper



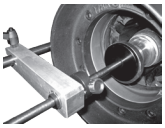
Die Sets for Brake & Air Conditioning Hoses



Marking Dies



Die Storage Panel EVO

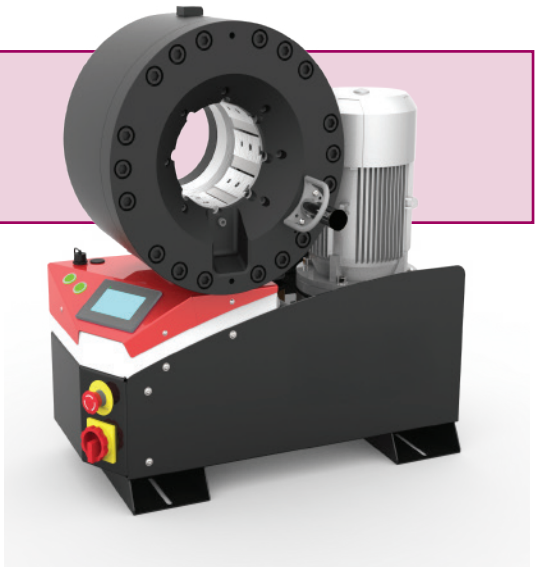


Mechanical Backstop

CRIMPING MACHINES

RY 420 EVO

ASSEMBLING FOR FIELD REPAIR
BENCHTOP CRIMPING MACHINE



Model shown equipped with SCS control panel

KEY FEATURES:

- High crimping force of 420 tonnes
- Robust design for transport and operation in harsh environments
- Protected cylinders for trouble-free operation in high dust environments
- Large opening suitable for large bore hoses
- Easy maintenance due to dust collector foam pads

CONTROL OPTIONS AVAILABLE ON REQUEST



SC



SCE



SCS

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
6ws: 3" max. Industrial: 4" max.	5.5 kW
CRIMP RANGE	**VOLTAGES**
4 - 130 mm (0.157 - 5.118")	220/240 V, 3Ph, 50 Hz
CRIMP FORCE	380/415 V, 3Ph, 50 Hz
420 t	208/240 V, 3Ph, 60 Hz
OPENING WITH DIES	380/415 V, 3Ph, 60 Hz
+48 mm (+1.9 inch)	**DIMENSIONS**
COMPLETE OPENING	765 x 500 x 800 mm
178 mm (7.0 inch)	(30 x 20 x 32")
MASTER DIE LENGTH	**PACKAGING**
120 mm (4.724 inch)	745 x 1150 x 945 mm
STANDARD DIES	**NET WEIGHT**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76	396 kg (871 lb)
NOISE LEVEL	
<70 dB A	

*Indicative capacities depending on hose and fitting type.

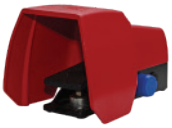
OPTIONAL:



Maintenance Kits



Die Storage Panel



Electrical Footswitch



Die Storage Table EVO



Die Storage Table



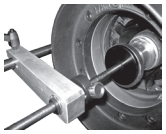
Aluminium Quick Change Gun



Digital Caliper



Die Sets for Brake & Air Conditioning Hoses



Mechanical Backstop



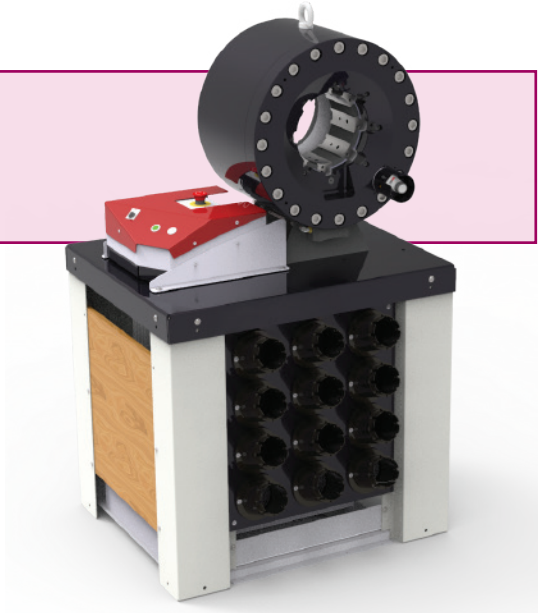
Die Storage Panel EVO



Marking Dies

RY 450

ASSEMBLING FOR FIELD REPAIR BENCHTOP CRIMPING MACHINE



Model shown equipped with SC control panel

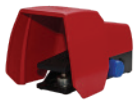
KEY FEATURES:

- High crimp force
- Large opening
- Wide family of dies for industrial hoses
- Long master dies
- Robust - designed for harsh environments
- Low noise level
- Easy die set-up with ergonomic gun
- Metallic guard for the set stop

STANDARD EQUIPMENT:



Aluminium Quick Change Gun



Electrical Footswitch

OPTIONAL:



Marking Dies



Die Sets for Brake & Air Conditioning Hoses

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
6ws: 3" max. Industrial: 6" max.	5.5 kW
CRIMP RANGE	**VOLTAGES**
4 - 180 mm (0.157 - 7.087")	220/240 V, 3Ph, 50 Hz
CRIMP FORCE	380/415 V, 3Ph, 50 Hz
420 t	208/240 V, 3Ph, 60 Hz
OPENING WITH DIES	380/415 V, 3Ph, 60 Hz
+70 mm (+2.755")	**DIMENSIONS**
COMPLETE OPENING	830 x 775 x 1450 mm (33 x 31 x 57")
230 mm (9.055")	
MASTER DIE LENGTH	**PACKAGING**
230 mm (9.055")	1120 x 1020 x 1770 mm (44 x 40 x 70")
STANDARD DIES	**NET WEIGHT**
16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76	720 kg (1587 lb)
NOISE LEVEL	
<65 dB A	

*Indicative capacities depending on hose and fitting type.

CRIMPING MACHINES

RY 137 EVO R

FIELD SERVICE & MOBILE WORKSHOP
MOBILE VAN



KEY FEATURES:

- Swivel head for an ergonomic position
- Head axis perpendicular to the operator
- Compact and lightweight

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb / 4ws: 1"¼ max.	2.0 kW
Industrial: 1"1/2 max.	**VOLTAGES**
CRIMP RANGE	12 V
4-70 mm (0.157 - 2.756")	24 V
CRIMP FORCE	**DIMENSIONS**
137 t	392 x 398 x 486 mm
OPENING WITH DIES	(15 x 16 x 19")
+28 mm (+1.102")	**PACKAGING**
COMPLETE OPENING	800 x 600 x 830 mm
108 mm (4,252")	(31 x 24 x 33")
MASTER DIE LENGTH	**NET WEIGHT**
75 mm (2.953")	73 kg (161 lb)
STANDARD DIES	**GROSS WEIGHT**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51	90 kg (199 lb)
NOISE LEVEL	
<72 dB A	

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Maintenance Kits


Die Storage Panel


Aluminium Quick Change Gun


Battery


Die Sets for Brake & Air Conditioning Hoses


Front Die Storage


Marking Dies


Die Storage Panel EVO

RY 137 V / 137 VL

FIELD SERVICE & MOBILE WORKSHOP
MOBILE VAN



KEY FEATURES:

- Robust and compact design
- Lightweight
- High crimping speed
- Suitable also for 90° elbow fittings
- Cylinder protection
- Remote head mounting option possible



TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb / 4ws: 1"¼ max. Industrial: 1"1/2 max.	2.0 kW
CRIMP RANGE	**VOLTAGES**
4-70 mm (0.157 - 2.756")	+12/24V
CRIMP FORCE	**DIMENSIONS**
137 t	650 x 550 x 610 mm 250 x 320 x 300 mm**
OPENING WITH DIES	**PACKAGING**
+28 mm (+1.102")	800 x 600 x 830 mm
COMPLETE OPENING	**NET WEIGHT**
108 mm (4,252")	103 kg / 86 kg**
MASTER DIE LENGTH	**GROSS WEIGHT**
75 mm (2.953")	120 kg / 102 kg**
STANDARD DIES	**DIMENSIONS OF POWER PACK**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51	440 x 320 x 320 mm**
NOISE LEVEL	
<72 dB A	

*Indicative capacities depending on hose and fitting type.
** L Version

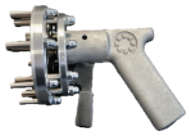
OPTIONAL:



Maintenance Kits



Die Storage Panel



Aluminium Quick Change Gun



Battery



Die Sets for Brake & Air Conditioning Hoses

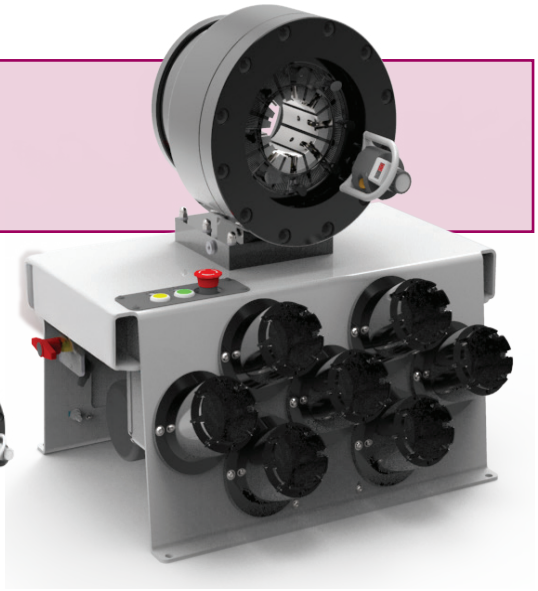


Marking Dies

CRIMPING MACHINES

RY 240 V / RY 240 VL

FIELD SERVICE & MOBILE WORKSHOP
MOBILE VAN



KEY FEATURES:

- Robust design
- Ergonomic micrometer
- High crimping speed
- Radial movement of the dies
- Cylinder protection
- Remote head mounting option possible



TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb: 2" max.	2.0 kW
4ws: 2" max.	**VOLTAGES**
6ws: 1" 1/4 max.	12 / 24 V
CRIMP RANGE	220/240 V, 3Ph, 50 Hz
4 - 76 mm (0.157 - 2.992")	380/415 V, 3Ph, 50 Hz
CRIMP FORCE	208/240 V, 3Ph, 60 Hz
240 t	**DIMENSIONS**
OPENING WITH DIES	650 x 550 x 670 mm
+38 mm (+1.496")	320 x 360 x 350 mm**
COMPLETE OPENING	**PACKAGING**
118 mm (4.646")	800 x 600 x 830 mm
MASTER DIE LENGTH	**NET WEIGHT**
100 mm (3.937")	118 kg / 130 kg**
STANDARD DIES	**GROSS WEIGHT**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70	180 kg / 180 kg**
	DIMENSIONS OF POWER PACK
NOISE LEVEL	440 x 320 x 320 mm**
72 dB A	

*Indicative capacities depending on hose and fitting type.
** L Version

OPTIONAL:



Maintenance Kits



Die Storage Panel



Aluminium Quick Change Gun



Battery



Die Sets for Brake & Air Conditioning Hoses



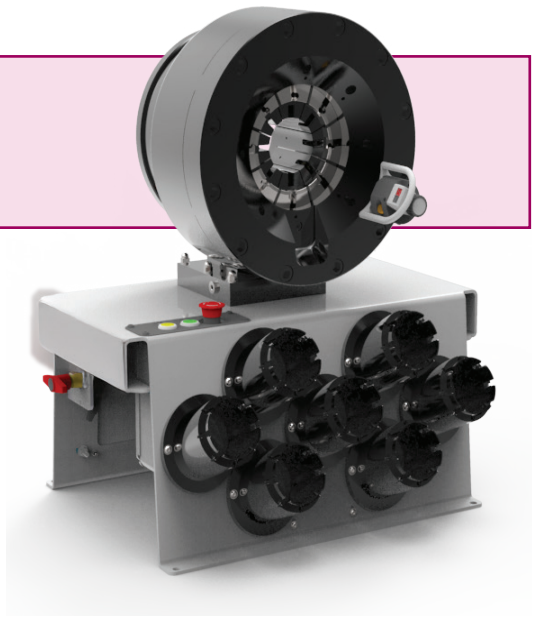
Front Die Storage



Marking Dies

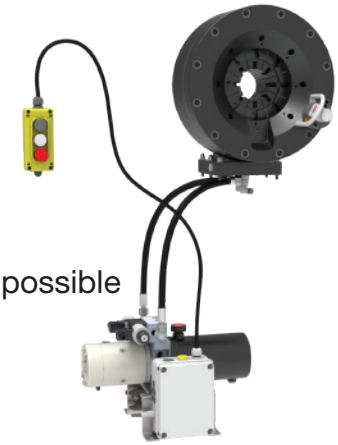
RY 350 V / VL

FIELD SERVICE & MOBILE WORKSHOP
MOBILE VAN



KEY FEATURES:

- Robust design
- Large opening
- High crimping force
- Ergonomic micrometer
- High crimping speed
- Radial movement of the dies
- Cylinder protection
- Remote head mounting option possible



TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
2wb: 3" max.	2.0 kW
4ws: 2" max.	**VOLTAGES**
6ws: 2" max.	12 / 24 V
Industrial: 4"	220/240 V, 3Ph, 50 Hz
CRIMP RANGE	380/415 V, 3Ph, 50 Hz
4 - 130 mm (0.157 - 5.118")	208/240 V, 3Ph, 60 Hz
CRIMP FORCE	380/415 V, 3Ph, 60 Hz
350 t	**DIMENSIONS**
OPENING WITH DIES	650 x 550 x 750 mm
+54 mm (+2.125")	485 x 435 x 390 mm**
COMPLETE OPENING	**PACKAGING**
180 mm (7.086")	800 x 600 x 830 mm
MASTER DIE LENGTH	**NET WEIGHT**
115 mm (4.528")	210 kg / 215 kg**
STANDARD DIES	**GROSS WEIGHT**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76	260kg / 230 kg**
	DIMENSIONS OF POWER PACK
NOISE LEVEL	605 x 318 x 325 mm
<65 dB A	

*Indicative capacities depending on hose and fitting type.
** L Version

OPTIONAL:



Maintenance Kits



Die Storage Panel



Aluminium Quick Change Gun



Battery



Die Sets for Brake & Air Conditioning Hoses



Front Die Storage



Marking Dies

CRIMPING MACHINES

RY 400 XL

XXL WORKSHOP



KEY FEATURES:

- High crimping force
- Ergonomic operation
- Economic solution
- Large opening
- Robust
- Easy set up
- Versatile
- Adjustable crimping working position

STANDARD EQUIPMENT:



Remote Control



Ergonomic Micrometer



SC

TECHNICAL SPECIFICATIONS:

CAPACITY*	MOTOR
Industrial: 6"	5.5 kW
CRIMP RANGE	**VOLTAGES**
4 - 210 mm (0.157 - 8.268")	230 V, 3 Ph
CRIMP FORCE	400 V, 3 Ph
400 t	**DIMENSIONS**
OPENING WITH DIES	1100 x 900 x 1550 mm
+60 mm (+2.362")	(43 x 35 x 61")
COMPLETE OPENING	**WEIGHT**
285 mm (11.221")	750 kg (165 lbs)
MASTER DIE LENGTH	**TECHNICAL FEATURES**
150 mm (5.906")	Die sizes available upon request

*Indicative capacities depending on hose and fitting type.

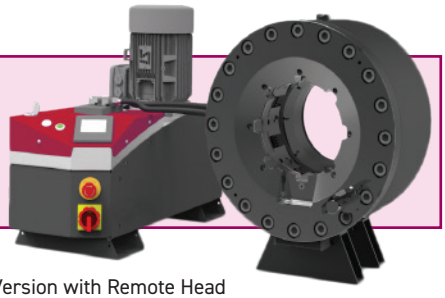
OPTIONAL:



Aluminium Quick Change Gun

RY 450 - 200 (S) EVO

XXL WORKSHOP



Version with Remote Head

KEY FEATURES:

- High crimp force (450 tonnes)
- Large opening
- Wide family of dies for industrial hoses
- Long master dies
- Robust & Ergonomic
- Metallic guard for the set stop
- Separated crimping head allowing flexible workshop arrangements
- Production options:
- “silent” central unit with 50 L tank
- Table with racks EVO
- 3 control panels available



Production Version with “silent” central unit

CONTROL OPTIONS AVAILABLE ON REQUEST



SC



SCE



SCS

TECHNICAL SPECIFICATIONS:

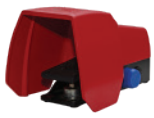
CAPACITY*	MOTOR
Industrial: 4” & 6”	5.5 kW
CRIMP RANGE	**VOLTAGES**
4 - 180 mm (0.157 - 7.087”)	220/240 V, 3Ph, 50 Hz
CRIMP FORCE	380/415 V, 3Ph, 50 Hz
450 t	208/240 V, 3Ph, 60 Hz
OPENING WITH DIES**	380/415 V, 3Ph, 60 Hz
+70 mm (+2.755”)	**DIMENSIONS**
MASTER-DIES OPENING***	830 x 775 x 1450 mm
270 mm (10.629”)	(33 x 31 x 57”)
MASTER DIE LENGTH	**PACKAGING**
125 mm (4.921”)	1120 x 1020 x 1770 mm
STANDARD DIES	(44 x 40 x 70”)
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76;	**NET WEIGHT**
	450 kg (992 lb)
Dies up to 180 mm available on request.	750 kg (pro version)

*Indicative capacities depending on hose and fitting type.
** working stroke 24 mm
*** Full passage 230 mm

OPTIONAL:



Aluminium Quick Change Gun



Electrical Footswitch



Die Storage Panel



Die Storage Table EVO



Digital Caliper



Die Sets for Brake & Air Conditioning Hoses



Marking Dies

ASSEMBLY EQUIPMENT

CRIMPING MACHINES

RY 140 SCS

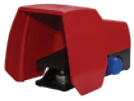
ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE



KEY FEATURES:

- Safe Crimp System (SCS) control
- Large production capacity (small/medium bore)
- Low noise level
- Precise
- Robust
- Available with SCE control panel

STANDARD EQUIPMENT:



Electrical Footswitch



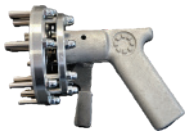
Front Die Storage



SCS Safe Crimp System



Mirror



Aluminium Quick Change Gun

TECHNICAL SPECIFICATIONS:

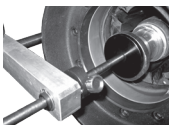
CAPACITY*	**NOISE LEVEL**
2wb: 2" max.	<65 dB A
4ws: 1" 1/4 max.	**MOTOR**
Industrial: 2"1/2 max.	4 kW
CRIMP RANGE	**VOLTAGES**
4 - 70 mm (0.157 - 2.756")	220/240 V, 3Ph, 50 Hz
CRIMP FORCE	380/415 V, 3Ph, 50 Hz
140 t	208/240 V, 3Ph, 60 Hz
OPENING WITH DIES	**DIMENSIONS**
+45 mm (+1.772")	890 x 690 x 1380 mm
COMPLETE OPENING	(35 x 27 x 54")
125 mm (4.921")	**PACKAGING**
MASTER DIE LENGTH	1120 x 1020 x 1725 mm
80 mm (3.150")	(44 x 40 x 68")
STANDARD DIES	**NET WEIGHT**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48	600 kg (1323 lb)

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Barcode Reader



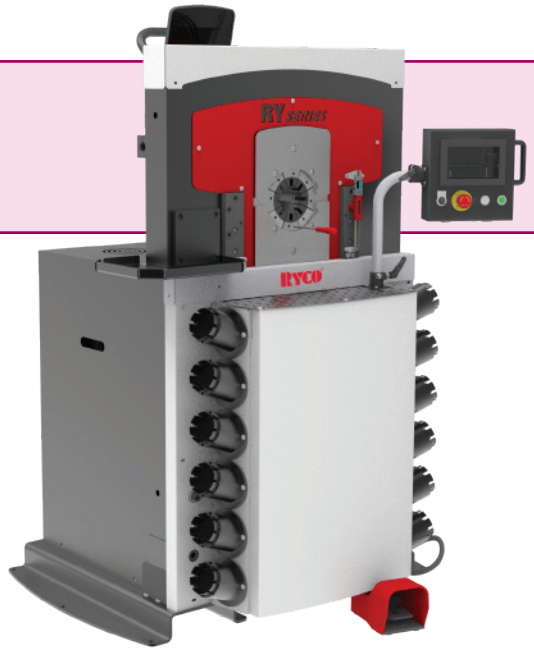
Mechanical Backstop



Digital Caliper

RY 320 SCS

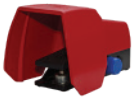
ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE



KEY FEATURES:

- High crimp force
- Large opening
- Safe Crimp System (SCS) control
- Wide family of dies for industrial hoses
- Robust structure
- Fast and ergonomic
- Low noise level

STANDARD EQUIPMENT:



Electrical Footswitch



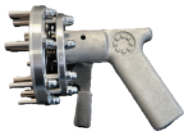
Front Die Storage



SCS Safe Crimp System



Mirror



Aluminium Quick Change Gun



Pushing Panel

TECHNICAL SPECIFICATIONS:

CAPACITY*	**NOISE LEVEL**
2wb: 3" max.	<65 dB A
4ws: 2" max.	**MOTOR**
6ws: 2" max.	5.5 kW / 7.5 kW (Fast Version)
Industrial: 4" max.	**VOLTAGES**
CRIMP RANGE	220/240 V, 3Ph, 50 Hz
4 - 130 mm (0.157 - 5.118")	380/415 V, 3Ph, 50 Hz
CRIMP FORCE	208/240 V, 3Ph, 60 Hz
320 t	380/415 V, 3Ph, 60 Hz
OPENING WITH DIES	**DIMENSIONS**
+80 mm (+3.149")	1200 x 1000 x 1650 mm
COMPLETE OPENING	(47 x 39 x 64")
207 mm (8.149")	**PACKAGING**
MASTER DIE LENGTH	1400 x 1100 x 1960 mm
100 mm (3.937")	(55 x 43 x 77")
STANDARD DIES	**NET WEIGHT**
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76	1370 kg (3020 lb)
	GROSS WEIGHT
	1570 kg (3461 lb)

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Die Storage Panel



Back View Camera



Barcode Reader



Marking Dies



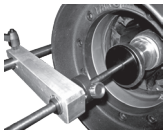
Side Table



Digital Caliper



Die Sets for Brake & Air Conditioning Hoses



Mechanical Backstop

ASSEMBLY EQUIPMENT

CRIMPING MACHINES

RY 480 SCS

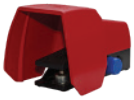
ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE



KEY FEATURES:

- High crimp force
- Large opening
- Safe Crimp System (SCS) control
- Wide family of dies for industrial hoses
- Long master dies
- Robust
- Low noise level

STANDARD EQUIPMENT:



Electrical Footswitch



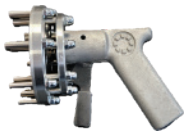
Front Die Storage



SCS Safe Crimp System



Mirror



Aluminium Quick Change Gun



Pushing panel

TECHNICAL SPECIFICATIONS:

CAPACITY*	**NOISE LEVEL**
6ws: 3" max.	<65 dB A
Industrial: 4" max.	**MOTOR**
CRIMP RANGE	5.5 kW
4 - 160 mm (0.157 - 6.299")	**VOLTAGES**
CRIMP FORCE	220/240 V, 3Ph, 50 Hz
480 t	380/415 V, 3Ph, 50 Hz
OPENING WITH DIES	208/240 V, 3Ph, 60 Hz
+85 mm (+3.346")	380/415 V, 3Ph, 60 Hz
COMPLETE OPENING	**DIMENSIONS**
212 mm (8.346")	1300 x 1050 x 1700 mm
MASTER DIE LENGTH	(51 x 41 x 67")
125 mm (4.921")	**PACKAGING**
STANDARD DIES	1400 x 1100 x 1960 mm
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 63, 66, 70, 73, 76	(55 x 43 x 77")
	NET WEIGHT
	1675 kg (3693 lb)
	GROSS WEIGHT
	1890 kg (4167 lb)

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Die Storage Panel



Back View Camera



Barcode Reader



Marking Dies



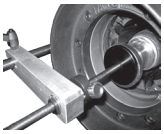
Side Table



Digital Caliper



Die Sets for Brake & Air Conditioning Hoses



Mechanical Backstop

RY 450 XL

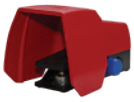
XXL WORKSHOP



KEY FEATURES:

- High crimping force
- Large opening for hoses up to 8” and flanges up to ANSI 150 PSI
- Diameter adjustment is controlled by SCS
- Possibility to install eccentric and/or deported dies

STANDARD EQUIPMENT:



Electrical Footswitch



Front Die Storage



SCS Safe Crimp System



Mirror



Aluminium Quick Change Gun



Pushing Panel

TECHNICAL SPECIFICATIONS:

CAPACITY*	**COMPLETE OPENING**
Industrial: 8”	360 mm (14.173”)
MAX CRIMPING DIAMETER	**MAXIMUM DIE LENGTH**
300 mm (11.811”) (with special dies)	130 mm (5.118”)
CRIMP FORCE	**GROSS WEIGHT**
450 t	2900 kg (6393 lb)
OPENING WITH DIES	**TECHNICAL FEATURES**
+ 130 mm (5.118”)	Die sizes available upon request.

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



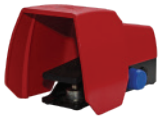
Die Storage Panel



Back View Camera



Barcode Reader



Simple or Double Footswitch



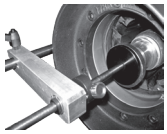
Side Table



Digital Caliper



Die Sets for Brake & Air Conditioning Hoses



Mechanical Backstop

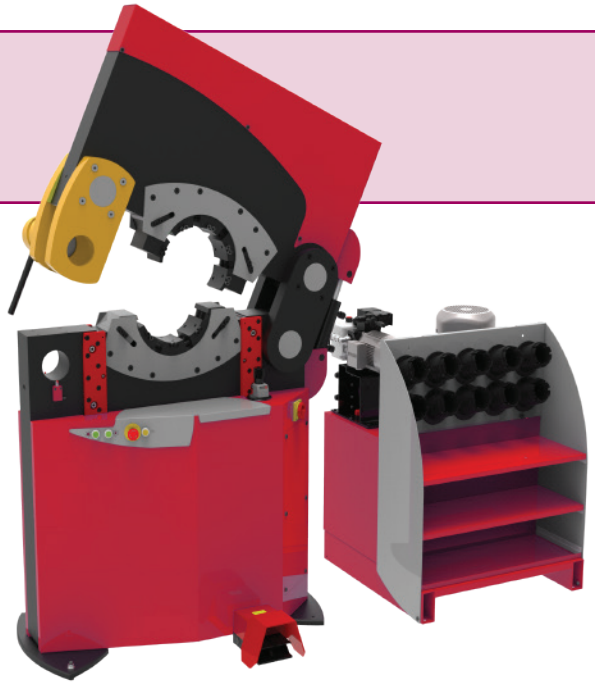


Marking Dies

CRIMPING MACHINES

RY 320 OH XL

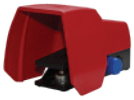
XXL WORKSHOP



KEY FEATURES:

- Unique on market
- Lateral opening
- No limit on end connection diameter
- Easy to use
- Separated power pack
- Integrated safety system

STANDARD EQUIPMENT:



Electrical Footswitch



Die Storage Panel

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
Industrial: 6"	5.5 kW
CRIMP RANGE	**VOLTAGES**
4 - 230 mm (0.157 - 9.055")	230 V, 3 Ph 400 V, 3 Ph
CRIMP FORCE	**MACHINE DIMENSIONS**
320 t	1265 x 680 x 1800 mm (50 x 27 x 71")
OPENING WITH DIES	
+55 mm (+2.165 ")	
COMPLETE OPENING	**POWER PACK DIMENSIONS**
260 mm (10.236")	890 x 800 x 1050 mm (35 x 31 x 41")
LATERAL OPENING	**MACHINE WEIGHT**
247 mm (9.724")	1700 kg (3748 lb)
MASTER DIE LENGTH	**POWER PACK WEIGHT**
125 mm (4.921")	400 kg (882 lb)
	TECHNICAL FEATURES
	Die sizes available upon request

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



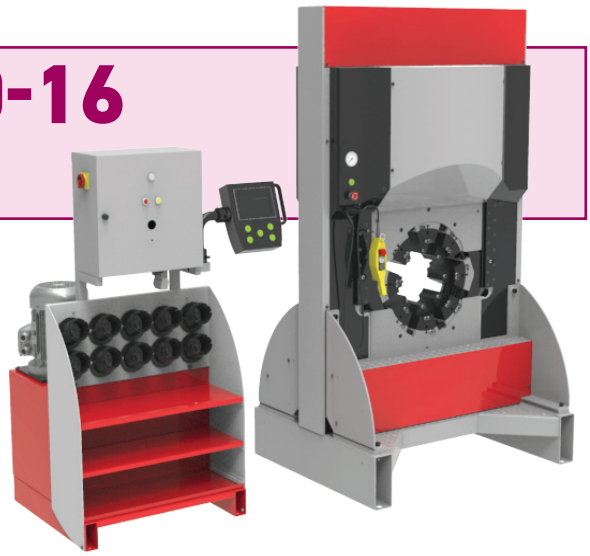
Double Footswitch



SCS Safe Crimp System

RY 550 XL CRIMP 550-16

XXL WORKSHOP



KEY FEATURES:

- Very large opening
- Fixed bottom die
- Long dies available
- High crimping force
- Symmetric machine
- Low working height
- Ergonomic
- Safe Crimp System (SCS)
- Step crimping capability with SCS

STANDARD EQUIPMENT:



Die Storage Table



SCS Safe Crimp System

	XL CRIMP 550	XL CRIMP 550-16
CAPACITY*	Industrial: 12"	Industrial: 16"
CRIMP FORCE	550 t	
COMPLETE OPENING	495 mm (19.2488")	650 mm (25.591")
OPENING WITH DIES	+130 mm (+5.118 ")	+160 mm (6.299")
MASTER DIE LENGTH	200 mm (7.874")	
MOTOR	5.5 kW	
VOLTAGES	230 V, 3 Ph 400 V, 3 Ph	
MACHINE DIMENSIONS	1300 x 1050 x 2230 mm (51 x 41 x 88")	1650 x 1830 x 2660 mm (65 x 72 x 105")
POWER PACK DIMENSIONS	800 x 800 x 1650 mm (31 x 31 x 65")	
MACHINE WEIGHT	4000 kg (8818 lb)	5300 kg (11684 lb)
POWER PACK WEIGHT	400 kg (882 lb)	
TECHNICAL FEATURES	Die sizes available upon request	

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



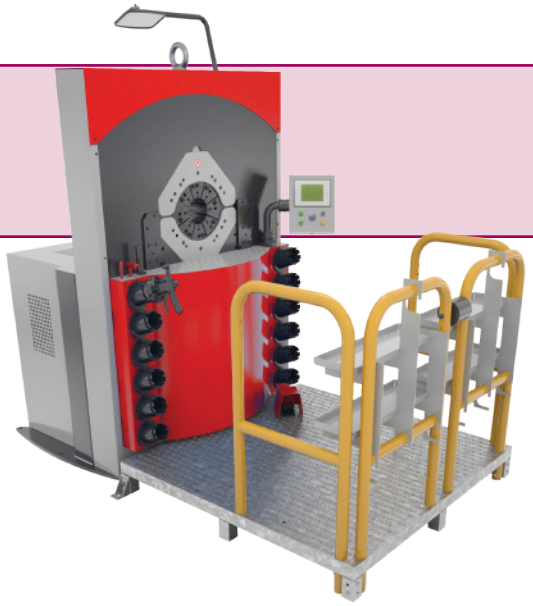
Back View Camera

ASSEMBLY EQUIPMENT

CRIMPING MACHINES

RY 800 INDUSTRIAL

XXL WORKSHOP



KEY FEATURES:

- Designed for heavy duty large bore hydraulic hoses
- High power and speed
- Ergonomically designed for large bore hoses
- Safe Crimp System (SCS) for maximum reliability during the crimping process
- Large opening up to 8”
- Long master dies
- Very high crimping force

STANDARD EQUIPMENT:



Hose Support



SCS Safe Crimp System



Electrical Footswitch



Back View Camera

TECHNICAL SPECIFICATIONS:

CAPACITY*	**MOTOR**
4ws: 4” max.	7.5 kW
6ws: 3” max.	**VOLTAGES**
Industrial: 6”	380/415V, 3 Ph + N, 50 Hz
CRIMP RANGE	**DIMENSIONS**
4 - 230 mm (0.157 - 9.055”)	360 x 530 x 620 mm
CRIMP FORCE	(14 x 21 x 25”)
800 t	**NET WEIGHT**
OPENING WITH DIES	4300 kg (9480 lb)
+100 mm (+3.937”)	**GROSS WEIGHT**
COMPLETE OPENING	5000 kg (11023 lb)
347 mm (13.661”)	**TECHNICAL FEATURES**
MASTER DIE LENGTH	Machine platform equipped with rollers to support the hose at working height (1100 mm) in order to handle large bore hoses more easily
180 mm (7.087”)	
STANDARD DIES	Supplied as standard: Intermediate dies 250/130 and 130/80
14, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51	
NOISE LEVEL	
<70 dB A	

*Indicative capacities depending on hose and fitting type.

OPTIONAL:



Die Storage Panel



Double Footswitch



Back View Camera



Die Storage Table



Aluminium Quick Change Gun



Digital Caliper

TEST BENCHES



Designed to apply proof-pressure testing to assembled hoses, our test benches allow you to test and certify hose assemblies up to 2,000 bar.

TEST BENCHES

RY 2000 TB

TEST BENCH, PROOF PRESSURE & CERTIFY STAND TYPE MACHINE



Model shown L

KEY FEATURES:

- Easy to use and robust
- Safe: Steel Compartment, polycarbonate transparent window and metal mesh
- Large testing area for up to 6 hoses
- Variable pressure up to 2000 bar

AVAILABLE VERSIONS:



Power Unit M



Power Unit E

TECHNICAL SPECIFICATIONS:

INDICATIVE CAPACITY

3/16'' - 2''

HOSE CONNECTION

6 maximum

AIR CONSUMPTION

1000 L/min

OPENING/CLOSING TIME

10-14 seconds

MAX PRESSURE

2000 bar (29000 psi)

INNER TANK CAPACITY

1700 x 790 x 200 mm

(67 x 31 x 8")

DIMENSIONS (PANEL)

700 x 1200 x 1220 mm

(28 x 47 x 48")

PACKAGING (TANK)

1600 x 1200 x 1280 mm

(63 x 47 x 50")

PACKAGING (PANEL)

1000 x 1200 x 1280 mm

(39 x 47 x 50")

NET WEIGHT

430 kg (948 lb)

GROSS WEIGHT

500 kg (1102 lb)

TECHNICAL FEATURES

Minimum compressed air input 8.5 bar (123 psi)

OPTIONS & FEATURES:

DISPLAY FEATURES

M	Gauge measurement display
E	Numerical measurement display with 4" touch screen and ethernet connection for computer report and light

FURTHER OPTIONS

- Autonomous filling pump
- Air blowing system for both models

RY 2000 XL

TEST BENCH, PROOF PRESSURE & CERTIFY STAND TYPE MACHINE



Model shown XL ISD

KEY FEATURES:

- Easy to use and robust
- Safe: Steel Compartment, polycarbonate transparent window and metal mesh
- Large testing area for up to 6 hoses
- Variable pressure up to 2000 bar

AVAILABLE VERSIONS:



Power Unit M



Power Unit E

TECHNICAL SPECIFICATIONS:

INDICATIVE CAPACITY	**PACKAGING (TANK)**
3/16'' - 2''	1600 x 1200 x 1280 mm (63 x 47 x 50")
HOSE CONNECTION	**PACKAGING (PANEL)**
6 maximum	1000 x 1200 x 1280 mm (39 x 47 x 50")
AIR CONSUMPTION	**NET WEIGHT**
1000 L/min	500 kg (1102 lb)
OPENING/CLOSING TIME	**GROSS WEIGHT**
10-14 seconds	600 kg (1323 lb)
MAX PRESSURE	**TECHNICAL FEATURES**
2000 bar (29000 psi)	Minimum compressed air input 8.5 bar (123 psi) Minimum test pressure 250 bar (3626 psi), with low pressure option 40 bar (725 psi) (only for XL ISD)
INNER TANK CAPACITY	
1400 x 900 x 600 mm (55 x 35 x 24")	
DIMENSIONS (PANEL)	
700 x 1200 x 1220 mm (28 x 47 x 48")	

OPTIONS & FEATURES:

STANDARD OPTIONS	
XL ISD:	Light included
	10" touch screen panel
	Printer
XL E:	Light included
	Numerical measurement display with 4" touch screen and ethernet connection for computer report.

FURTHER OPTIONS

- Autonomous filling pump
- Air blowing system for both models

INDUSTRIAL MACHINES



We adapt our machines for use in tubes and automotive applications. Depending on the industrial sector or the requirement, we can offer you technical solutions that meet your specific needs.

TUBE APPLICATIONS



POSSIBLE APPLICATIONS:

ECO VERSION - after-market manufacturers

PRO VERSION - OEM manufacturers



Tube Stacking



Tube Reduction Before Drawing



Assembling



Geometrical Deformation



Calibration



Insulator



Cement Rods

Activities:
Greenhouse, scaffolding, urban furniture, playground equipment, hand rails, mechanical construction, furniture, etc.

AVAILABLE OPTIONS:



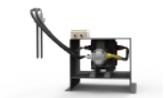
Mechanical Set Stop*



Crimp Head



Special Hydraulic Power Pack



Oil Cooling System



Foot Pedal



Central Greasing System



Computer**

*Accuracy and repeatability optimized

**Pressure and diameters controls, data storage to save recipes, assembly by step, alert maintenance

AUTOMOTIVE APPLICATIONS



POSSIBLE APPLICATIONS:



Air Spring



Part Calibration - Shock Absorbers, Pulleys



Assembling



Geometrical Deformation



Airbag Inflators

AVAILABLE OPTIONS:



Mechanical Set Stop*



Crimp Head



Special Hydraulic Power Pack



Oil Cooling System



Foot Pedal



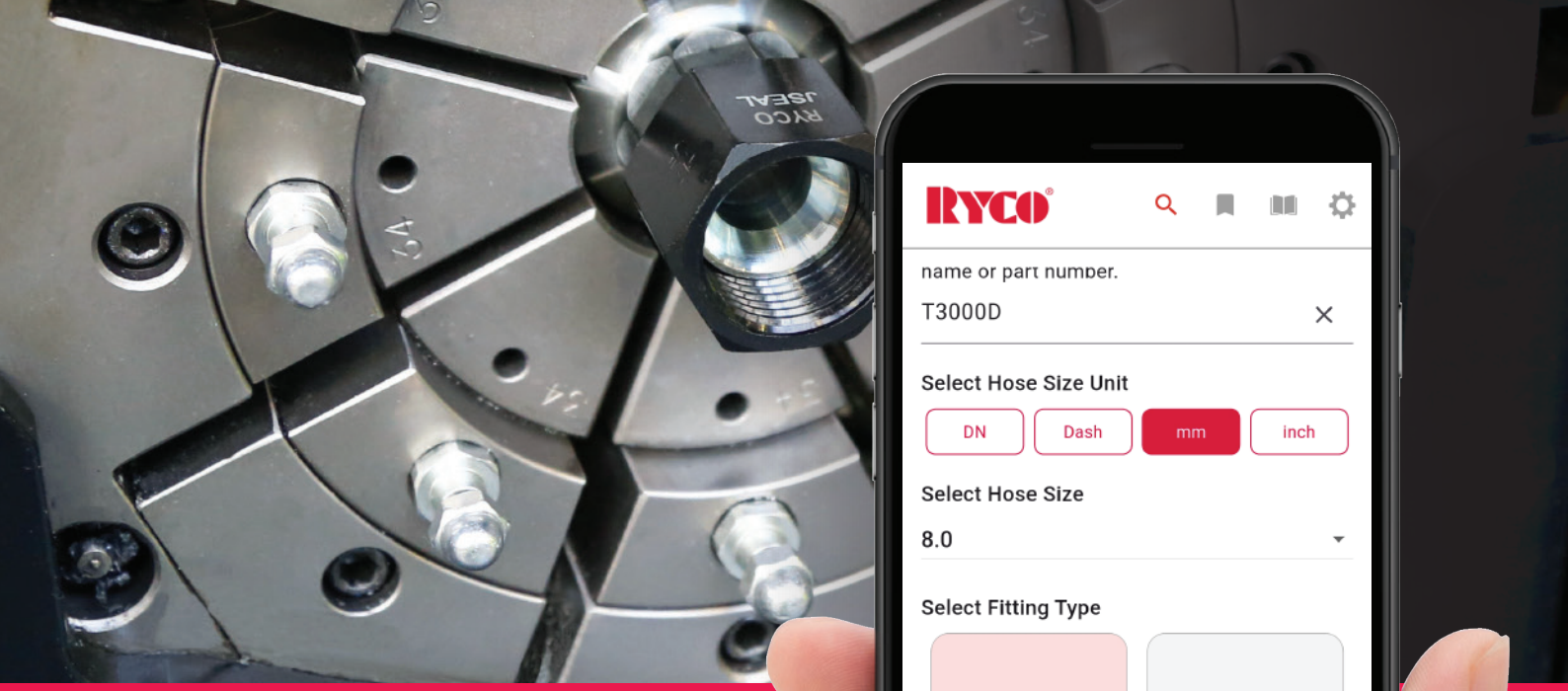
Central Greasing System



Computer**

*Accuracy and repeatability optimized

**Pressure and diameters controls, data storage to save recipes, assembly by step, alert maintenance



RYCO® CRIMP

YOUR SOURCE FOR THE MOST UP TO DATE CRIMP PARAMETERS

Stay up to date using Ryco's Digital Crimp Tools, available as an App and a Web version, our Crimp Tools are your go-to resource for accurate, efficient, and safe hydraulic hose crimping. Designed with professionals in mind, this innovative tool grants instant access to the latest crimp specifications, ensuring precision, and reliability in every assembly.

Whether in the workshop or on the go, Ryco Digital Crimp Tools provide real-time access to an extensive database of hose and fitting specifications, helping to reduce downtime and boost productivity.

Key Features of Ryco's Digital Crimp Tools:

Print Feature: This feature supports printing crimping parameters as reference charts for both single or multiple hose sizes within a selected hose family, supporting workshop and warehouse use.

Saved Items: Frequently used hose and fitting combinations can be saved within the app, allowing quick access to commonly used crimping parameters during routine hose assembly tasks.

Technical Centre: The Digital Crimp Tools are supported by a dedicated section on our website called the Technical Centre. This integrated resource provides expert insights, practical tips, and industry knowledge, with access to in depth guides and best practice information.

Accurate Crimping Parameters: To ensure accuracy on their crimping parameters, customers should regularly access the Ryco Digital Crimp Tools to check for updates. It is also recommended that printed charts should be reprinted regularly to ensure crimping information remains up to date.

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