

GOLDENCRIMP/420

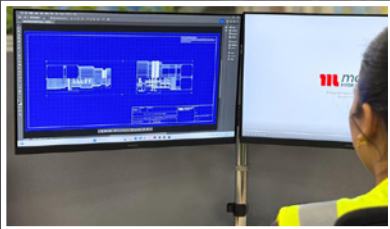


**Robust & Reliable
Heavy Duty Crimping**

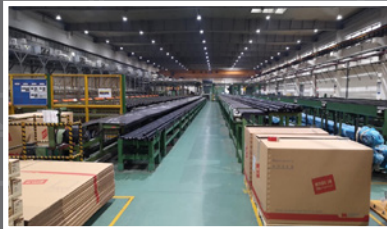
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HYDRAULICS

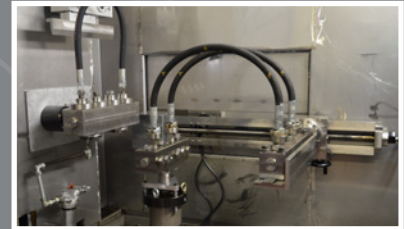
“Manuli Hydraulics is focused on achieving excellence in the design, manufacture, and supply of fluid conveyance solutions, components and associated equipment for high pressure hydraulics, industrial material conveyance, refrigeration and cooling applications.”



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

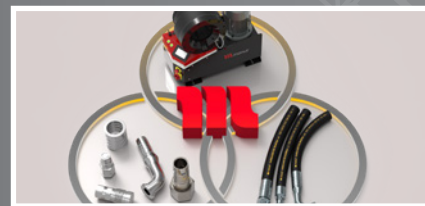
TEST

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.

From design to manufacture, and assembly, Manuli Hydraulics' continual commitment to this unified philosophy makes us a global leader in providing integrated solutions for fluid and material transfer connector applications including hydraulics, refrigeration & air conditioning, oil & gas, water and industrial low-pressure.

Manuli Hydraulics offer a complete range of hoses, fittings and assembly equipment which are purposely designed to work seamlessly together. This harmonized approach allows us to guarantee the quality and performance of our hose assemblies.

Every metre of hose and every single fitting is backed by industry knowledge and experience, made available to you through our dedicated team of application engineers.

From advice on component selection and configuration, our technical expertise allows us to support and work directly with our customers whenever and wherever they are based.

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. 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 Manuli [Crimp App](#) or [Crimp Web Tool](#). Do not mix and match: always use Manuli original hoses and fittings. For more information, see our '[Safety Guide](#)' by scanning the QR code.



DON'T MIX & MATCH

VERSATILITY & EXTREME DURABILITY

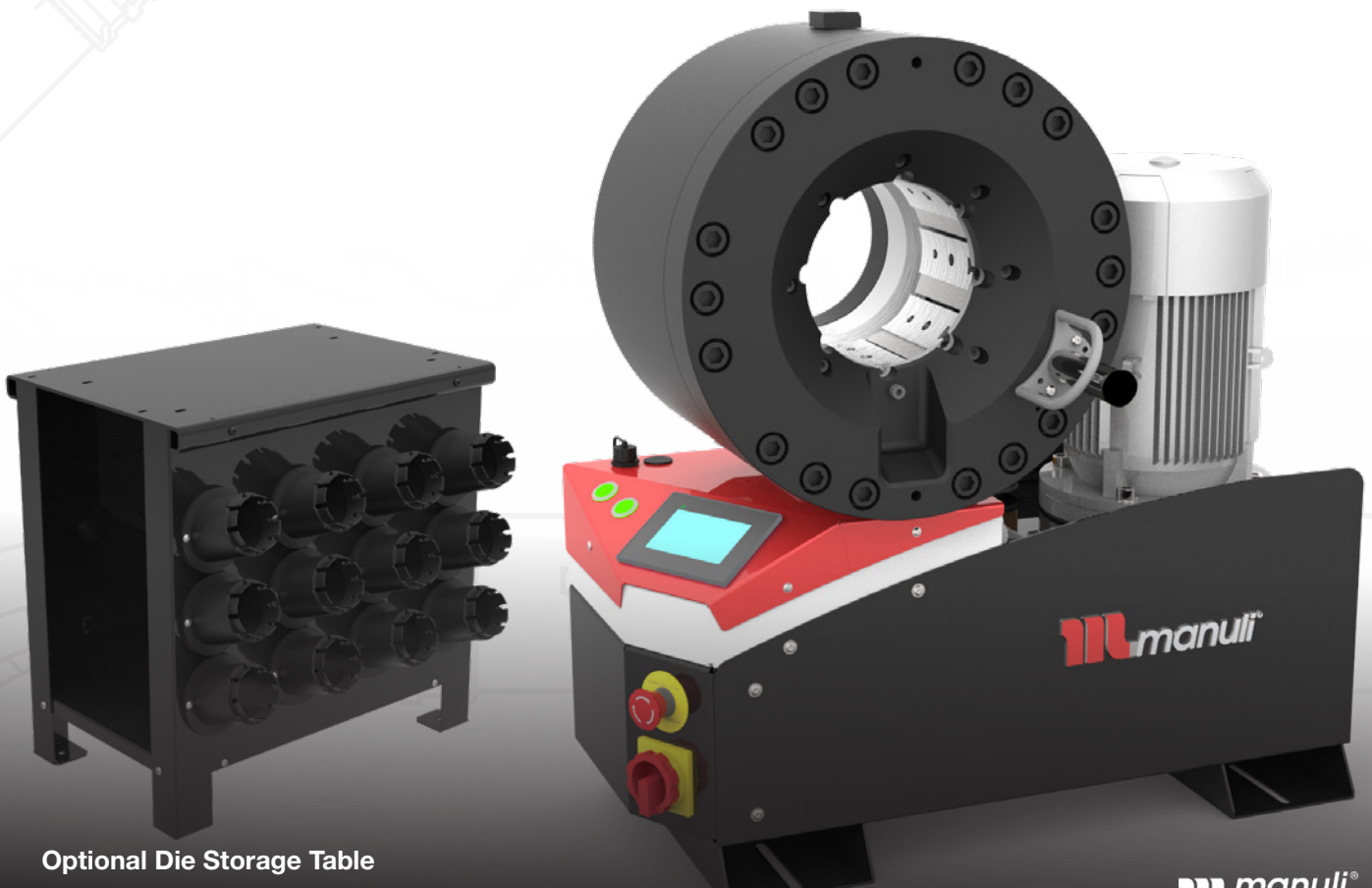
Manuli Hydraulics assembly machines are part of an integrated product range, designed to ensure users get the best results and maximum benefits from their Manuli hoses and fittings.

GoldenCrimp/420 is the latest addition to our range of assembly machines, and merges the resilience required for field repairs in harsh environments with the adaptability that is vital in modern workshops.

Providing reliability and versatility in harsh environments, the GoldenCrimp/420 crimping machine is the perfect addition to any field repair workshop. With a wide range of features designed to facilitate operation, location and maintenance, the GoldenCrimp/420 sets the standard for field repair and assembly equipment.

FEATURES & BENEFITS:

- **Robust Design:** Built for reliable transport and operation in harsh mining environments, including open pit and underground applications.
- **Protected Cylinders:** Shielded cylinder design supports dependable performance in high dust conditions.
- **420 Ton Crimping Force:** Delivers the power required for consistent crimping of large hydraulic hose assemblies.
- **Split Design Architecture:** Simplifies handling, transportation and positioning of the machine.
- **Large Bore Capacity:** Accommodates large diameter hoses for heavy duty applications.
- **Extensive Die Range:** Supports crimping across a wide variety of hydraulic and industrial hoses.
- **Quick Change Gun:** Ergonomic die setup reduces changeover time and improves efficiency.
- **Footswitch Operation:** Hands free control enhances operator convenience and productivity.
- **Die Storage Table:** Keeps dies organised and easily accessible during operation.
- **Easy Maintenance Access:** Simplifies servicing and helps minimise maintenance time.
- **Long Master Dies:** Provides flexibility across a broad range of crimping applications.
- **Low Noise Operation:** Creates a more comfortable working environment for operators.
- **Integrated Dust Collection System:** Foam pads and dust collector reduce dust ingress and support easier maintenance.



Optional Die Storage Table

MULTIPLE CONFIGURATION OPTIONS

The GoldenCrimp/420 has been designed in a way that allows you to decide which is the most appropriate configuration for your workshop. This allows you to make the most of the space available, and makes the GoldenCrimp/420 suitable for changing environments.



STANDARD CONFIGURATION

When in its standard configuration the GoldenCrimp/420 is a convenient, self-contained unit with the crimping head set at an ergonomically optimal height to allow safe, comfortable working.

Combined with a minimal unit footprint, the GoldenCrimp/420 can be easily positioned wherever it is required with only electrical connection required.

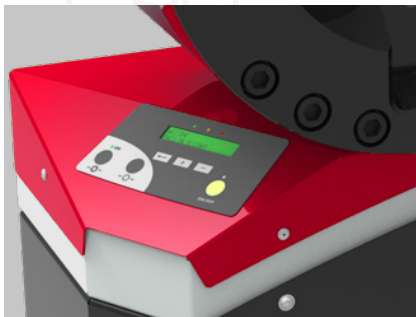


SPACE SAVING CONFIGURATION

In some workshops space is more restricted, so for these situations the crimping head of the GoldenCrimp/420 can be detached from the power-pack and placed separately on the work bench so taking up the minimum of available space. The power-pack can then be located under the bench, in a corner or wherever is most convenient to keep it safely out of the way.

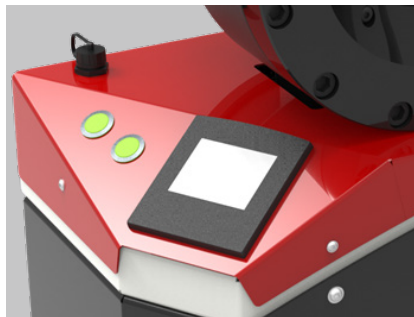
SAFE CRIMP PANELS

There are three varieties of Safe Crimp panels available to fit all requirements:



SC PANEL

A basic Smart Control panel which includes 2 counters and 3 LED indicator lights. 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, reducing the cycle time.



SCE PANEL

The Safe Crimp Electrical panel includes all of the features of the SC panel, with the addition of an electronic micrometer with the ability to save up to 25 configurations.



SCS PANEL

Safe Crimp System which includes the integration of the Manuli Hydraulics fluid connectors assembling parameters, allowing easy machine set-up and automated quality control of the assembling process for improved production consistency and safety.

BENCHTOP CRIMPING MACHINE FOR FIELD REPAIRS

FEATURES & BENEFITS:

- **Extreme Robustness:** Built to withstand demanding field repair environments and heavy-duty use.
- **Easy Maintenance:** Designed for straightforward servicing to help minimise downtime.
- **Multiple Configurations:** Flexible setup options help maximise available workspace and improve efficiency.

TECHNICAL SPECIFICATIONS:

Unit Dimensions	765 x 500 x 800 mm (30 x 20 x 32 inch)
Packaging Dimensions	745 x 1150 x 945 mm (29 x 45 x 37 inch)
Net Weight	395 kg (871 lb)
Power Requirements	380/415 V, 3 PH, 50 Hz
Capacity	3" 6SP
Motor	5,5 kW
Noise Level	< 65 dB

Crimp Range	4 - 130 mm (0.157 - 5.118 inch)
Crimp Force	420 t
Opening with Dies	+48 mm (+1.9 inch)
Complete Opening	178 mm (7.0 inch)
Master Die Length	120 mm (4.724 inch)
Die Set	25 die sets - see summary table for details (ordered separately)

HOSE & FITTING SELECTION:

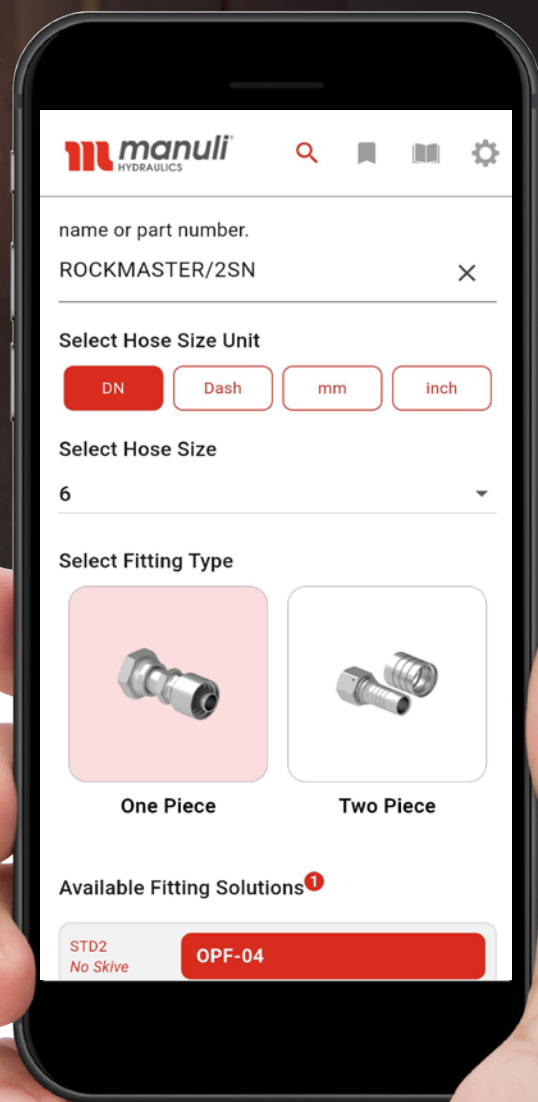
Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 wire braids and textile	MF2000 Multifit	4"	Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster braided; Shieldmaster braided; Astro; Multitex; Hydroplast; Spirtex/K
4 wire spirals	MF200 Multifit, MF2000 Interlock Plus; MF2000 Spiralfit	3"	Rockmaster spiral; Shieldmaster spiral; GoldenIso Xtraflex; Xtraflow/4WS; Goldenblast
6 wire spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	3"	Diamondspir/21 up to 3"; Rockmaster/13; Rockmaster/15; Goldenblast/six
6 wire spirals	MF2000 Interlock super; MF2000; Spiralfit-GX	2"	Hercules/HT, GoldenIso/42 Xtraflex; Cryoflex/42
8 wire spirals	MF2000 Interlock Super	1"1/2	-
Industrial Textile Hoses	-	4"	Spirtex/K; Others

AVAILABLE DIE SETS

Product Code	Description	N	Crimp Range	Die Length (MM)	Die Length (Inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3320N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3440NL125D062L4	Die set n. 62 - length 125 mm	62	62-66	125	4.921
ESA3440NL125D066L4	Die set n. 66 - length 125 mm	66	66-70	125	4.921
ESA3440NL125D070L4	Die set n. 70 - length 125 mm	70	70-73	125	4.921
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-76	100	3.937
ESA3540N125-73	Die set n. 73 - length 125 mm	73	73-76	125	4.921
ESA3540N125-76A	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3540N135-82	Die set n. 82 - length 135 mm	82	82-90	135	5.315
ESA3540N125-90	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3540N12595	Die set n. 95 - length 125 mm	95	95-105	125	4.921
ESA3330N450KT	Kit 13 dies GC420 (n.15 to n.73)	-	-	-	-
ESA3330N450KT	Kit 19 dies GC420 (n.15 to n.76)	-	-	-	-

ORDERING INFORMATION:

Description	Voltage	Product Code
GoldenCrimp/420 SC without dies	415V, 3PH, 50 Hz	EOA3324NMGC420SC
GoldenCrimp/420 SCE without dies	415V, 3PH, 50 Hz	EOA3324NMGC420SCE
GoldenCrimp/420 SCS without dies	415V, 3PH, 50 Hz	EOA3324NMGC420SCS
Wall mounted rack for extra dies sets		ESA3220NT140401
Ergonomic table		ESA3220NET



manuli[®] CRIMP HYDRAULICS

YOUR SOURCE FOR THE MOST UP TO DATE CRIMP PARAMETERS

Stay up to date using Manuli'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, Manuli 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 Manuli'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 Manuli 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.

Download the Manuli Crimp App Now



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