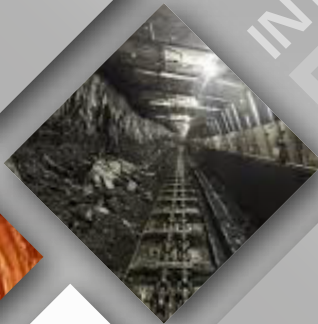


QUALITY

INTELLIGENT DESIGN  
EXCELLENCE  
PARTNERSHIP

INTEGRATED SOLUTIONS



GOLDENCRIMP 420

 **manuli**<sup>®</sup>  
HYDRAULICS

# Why Manuli?

*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, refrigeration, industrial and oil and marine applications.*

*Quality and sustainable development are the driving forces of all Manuli Hydraulics' activities, with an aim to guarantee worldwide availability of technical and commercial support for its products and services.*



## An integrated approach

Modern applications require robust fluid connector solutions with guaranteed long lasting performance. To that end, Manuli Hydraulics offers a complete range of hoses, fittings and assembly equipment which are designed to work seamlessly together. This harmonised approach allows us to guarantee the quality and performance of hose assemblies in a way that others simply cannot match.

From design to manufacture and assembly, our commitment to this unified philosophy makes us the global leader in providing integrated solutions for fluid connector applications.



## Versatilty Coml

*Manuli Hydraulics assures  
users get the best results*

*The GoldenCrest  
merges the  
the adap*

## Combined with Extreme Durability

Assembly machines are part of an integrated product range, designed to ensure results and maximum benefits from their Manuli hoses and fittings.

Crimp 420 is the latest addition to the range of assembly machines. It has the resilience required for field repairs in harsh environments with stability that is vital in modern workshops.



 **manuli**<sup>®</sup>  
HYDRAULICS

# GOLDENCRIMP 420



**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.**

- Robust design for transport and operation in harsh environments such as open-pit and underground mining
- Protected cylinders for trouble-free operation in high dust environments
- High crimping force of 420 tons
- Split design architecture allows for easy handling and transportation
- Large opening suitable for large bore hoses
- Extensive range of dies to suit crimping of both industrial and hydraulic hoses
- Easy die setup with ergonomically designed quick-change gun
- Hands-free operation using footswitch
- Option for convenient die storage table
- Easy access for maintenance
- Long master dies
- Low noise level
- Easy maintenance due to foam pads and dust collector



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.

## Control Panel Options

The machine can be equipped with a choice of three control panels:

- SC panel - basic Smart Control panel
- SCE panel - 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



# GoldenCrimp 420

For field repair in harsh environments

Benchtop Crimping Machine

## Key Features

- Designed for extreme robustness and ease of maintenance
- Multiple configurations to make optimum use of available workspace

## Technical Specifications

Unit Dimensions	765 x 500 x 800 mm (30 x 20 x 32 inch)	Crimp Range	4 - 130 mm (0.157 - 5.118 inch)
Packaging Dimensions	745 x 1150 x 945 mm (29 x 45 x 37 inch)	Crimp Force	420 t
Net Weight	395 kg (871 lb)	Opening with Dies	+48 mm (+1.9 inch)
Power Requirements	380/415 V, 3 PH, 50 Hz	Complete Opening	178 mm (7.0 inch)
Capacity	3" 6SP	Master Die Length	120 mm (4.724 inch)
Motor	5,5 kW	Die Sets	25 die sets - see summary table for details <i>(ordered separately)</i>
Noise Level	< 65 dB		

## Hose and 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 Multfit, 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	72-73	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)	-	-	-	-
ESA3330N450KTF	Kit 19 dies GC420 (n.15 to n.76)	-	-	-	-

\* To be mounted without intermediate dies

## 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



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