

DME&JDE GROUP
YOUR CONNECTORS & HOSES OEM SOLUTIONS



France Technology Equipment

DME&JDE

CE

MANUAL

SCM120A-MiNi
SCM120A-Push
SCM120A-Pro
SCM120A-ProMax
SCM120A-ProMax-Rs

TECH Powered by :

rexroth
A Bosch Company

Shlinorde
Electric



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HOSE
CRIMPER

MODEL NUMBER

DME & JDE
SCM120



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FLUID SOLUTIONS
DME & JDE

CRIMPING MACHINE

DME&JDE SCM120A-Pro

Introduction And Model Number

The crimp force of DME&JDE SCM120A-PRO hydraulic hose crimping machine is 2800 KN, with a crimp range of 1/4 and -2" sets of standard dies. DME&JDE SCM120A-PRO crimpers are widely used for crimping high-pressure fuel pipes, industrial hoses, water hoses, automobile air bags and wire ropes etc.



SCM120A-Push

SCM120A-Pro

SCM120A-MiNi

SCM120A-ProMax

SCM120A-ProMax-Rs

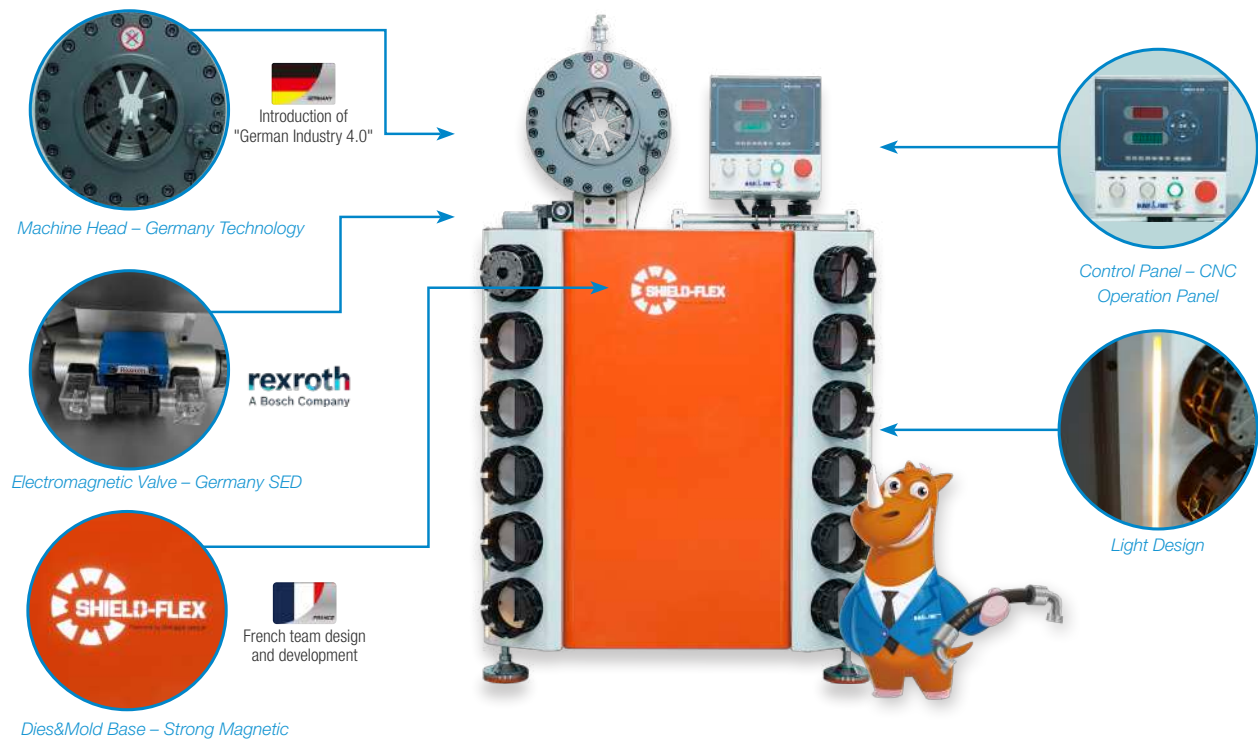
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CRIMPING MACHINE

DME&JDE SCM120A-Pro

DME&JDE SCM120A-Pro hydraulic hose crimping machine is an flexible and multi-functional design. Compact design and slim structure conforms to ergonomics and smart control system make it high user-friendliness. It is applicable for crimping of 4 or 6 spiral wires reinforcement hoses up to 2-1/2 inches diameters. It is also an innovative design. Bright colors, lights designs as well as logo and model display will redefine the crimping machine and will lead a fashion way.



Features

- ▶ Novel appearance.
- ▶ Operation in line with manual functional science
- ▶ The patented product of mold replacement tool, 100% efficiency improvement and easy operation
- ▶ Machine head adopts one piece forging parts with high strength.
- ▶ 12 sets of molds are provided to fit your crimping requirements. And all molds are treated through 2 times of vacuum polishing, with a high degree of finish and long service life.

Details



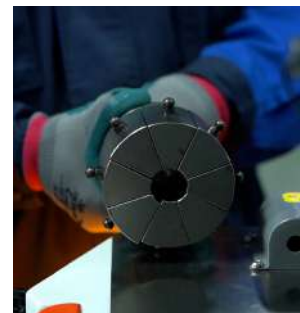
Model Mark



Vientiane Bracket



Quick-change system for easy replacement of die molds



12 sets of molds are prepared for most of crimping ranges.

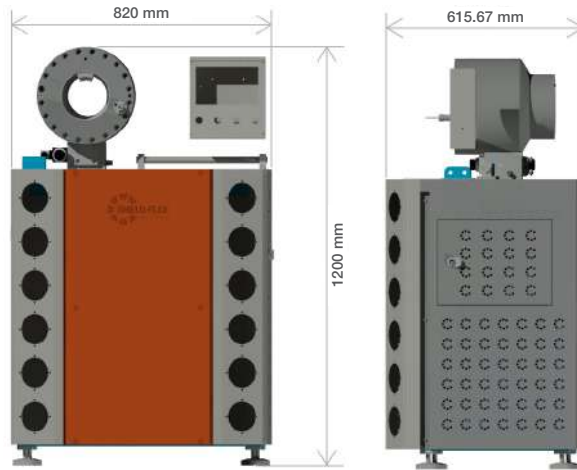
CRIMPING MACHINE

DME&JDE SCM120A-Pro

Specification

► Technical Data

Crimp head material	Forge steel
Crimp range	1/4" to 2-1/2"
Max. opening without dies	122 mm
Max. die opening	28 mm
Motor & Voltage	3 kW / 380 V
Cycle time	7 seconds
Oil tank volume	65 L
Control	Number control
Foot pedal	Included
Noise level	69 dB
Die sets	12 sets
L x W x H	820 x 615.67 x 1200 mm



► High Pressure Dies Specification

Number	Die No.	Crimp Range (mm)	D (mm)	L (mm)
1	14	14-16	14	65
2	16	16-19	16	65
3	19	19-22	19	65
4	22	22-26	22	65
5	26	26-30	26	65
6	30	30-34	30	65

Number	Die No.	Crimp Range (mm)	D (mm)	L (mm)
7	34	34-39	34	70
8	39	39-45	39	70
9	45	45-51	45	80
10	51	51-57	51	80
11	57	57-63	57	90
12	63	63-69	63	90

Notes: standard die sets are included, others are options.

Spare Parts



Oil bottle *1

Use/Change Location:
For filling the mold base with lubricating oil



Safety tube *2

Use/Change Location:
Install in the fuse box of the electric cabinet.
No need for regular replacement, just replace when it breaks



Miniature relay *1

Use/Change Location: Tools



Miniature relay *2

Use/Change Location:
Installed in the electric cabinet.
No need for regular replacement, just replace when it breaks



Waste oil box *2

Use/Change Location:
Placed at the waste oil outlet directly below the headstock

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Details

The oil cylinder cover, oil tank and piston rod are made of 40 chromium, with a surface hardness of SCM120A-Pro and an operation layer hardness of SCM120A-Pro. The hardened layer is 2 mm thick. The 40 chromium is high pressure resistant and tear resistant with great impact absorbing and carrying capacity. Therefore, the oil tank and piston rod are more durable.

Operation

The oil pump is immersed in hydraulic oil inside the oil tank for cooling and silence. The oil pump is driven using an electric motor and the hydraulic oil is pumped out, pushing the plunger in the oil tank. As a result, the die set compresses in a radial direction and crimps the hose connector. When the compression amount reaches the predetermined value, the compression will automatically stop. Then the magnetic reversing valve switches the direction and the plunger moves backwards. As a result, the die set expands and the hose crimping process is finished.



Introduction and selection of

CRIMPING DIES / MOLDS

Features

As an addition to standard dies DME&JDE Group has special dies in stock or OEM produce for most common crimping applications. Including:

- ▶ Hydraulic hose fittings specific standard type
- ▶ Brake hoses
- ▶ Different dimensions
- ▶ Cable crimps
- ▶ Small and big diameters
- ▶ Pipe crimps
- ▶ Extra short and long die sets
- ▶ Crimping of steel pipes or steel bars
- ▶ Customized shapes Dies for applications
- ▶ Crimping of steel pipes or iron square pipes
- ▶ Air Conditioning (AC)

Special Crimping Applications

We have 20 years of experience in the crimping industry, and our team members are founding members of crimping companies. We also manufacture customer specific tooling to fit the individual needs of your application. Everything from modifying already working tool designs to creating totally new solutions for even the most demanding crimping challenges.

Special Dies

We provide customized dies machined and with industrial metal additive manufacturing. We can manufacture special dies :

- ▶ Supply serve users from over 100 countries
- ▶ Focus on product quality and warranty time
- ▶ Specialize in providing solutions and plans
- ▶ With fast development, test and delivery cycles
- ▶ Without geometrical manufacturing limits
- ▶ For the toughest use-cases



CRIMPING MACHINE

DME&JDE SCM120A-Pro

High pressure crimper dies type List :

NO.DME&JDE-CR-Dies-01



*Crimper Dies Type
Standard Crimper Dies*

NO.DME&JDE-CR-Dies-02



*Crimper Dies Type
Marking / Embossed Crimper Dies*

NO.DME&JDE-CR-Dies-03



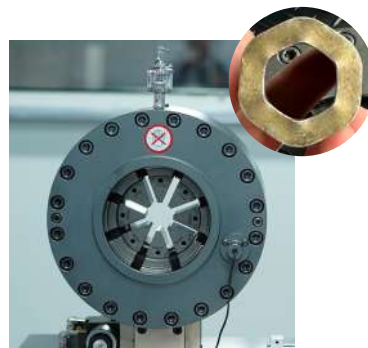
Crimper Dies Type One Bubble Crimping Dies

NO.DME&JDE-CR-Dies-04



*Crimper Dies Type
Two Bubble Crimping Dies*

NO.DME&JDE-CR-Dies-05



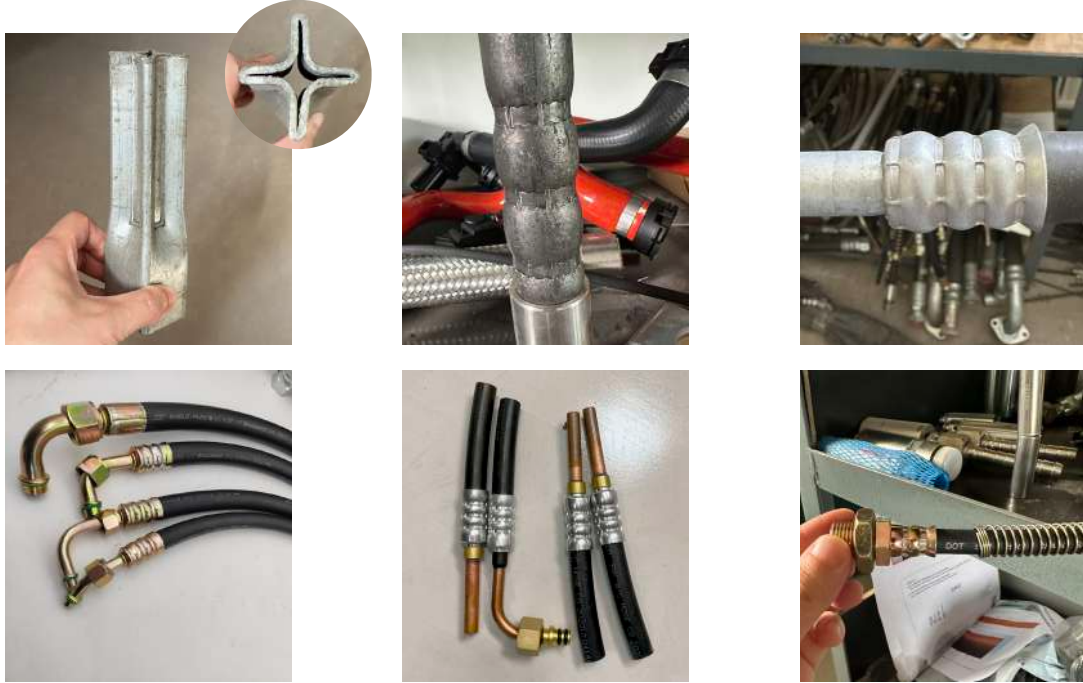
*Crimper Dies Type
Hexagonal Crimping Scheme (Popular)*

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CRIMPING MACHINE

DME&JDE SCM120A-Pro

NO.DME&JDE-CR-Dies-06



Crimper Dies Type Customized OEM Solution (some pictures)

Equipment production capacity

With years of experience, DME&JDE is always developing and continuing to grow. Visit the company and the workshop to learn more about the spirit, culture and strength of DME&JDE. Advanced equipment and strict working principles ensure that hydraulic hoses, hydraulic fluid connector fittings and hose assemblies meet or exceed international standards.



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CRIMPING MACHINE

DME&JDE SCM120A-Pro

Equipment quality control, packaging and warehousing

Strict quality control systems ensure that products are qualified and even exceed industry standards to reduce defect rates, reduce downtime, and improve equipment performance. The standard packing guarantees the perfect condition of the product. Customized packaging provides more possibilities to meet the requirements of different agents and customers, eliminating worries.



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