



# NC40

Finn-Power NC-machines have proven to be the most reliable and widely used nut crimping machines in the industry. NC-machines provide fast and accurate crimping for fitting manufacturing.

With 93 ton force and 140mm master dies NC40 is the second biggest NC-machine in the range. NC40 can be used also for other applications with short crimping length eg. connectors, small hoses, rings, tubes and sensors.

Adjustable back stop enables quick set up for different products. A special centering pin, selected according to ferrule size, can be used during the crimping.

Also available as Z-model with separate crimping head and hydraulic unit.

TECHNICAL DATA	
Crimping range (mm) <sup>1)</sup>	12-105
Crimping range (inch) <sup>1)</sup>	0.47-4.13
Max. crimping force (kN)	930
Max. crimping force (tonnage)	93
Cycle time 10 mm (s) <sup>2)</sup>	1.9
Hose size ID (inch)	2
Die set series	NC20/30/40
Max. opening (mm) <sup>3)</sup>	+26
Max. opening without dies (mm)	166
Master die D/L (mm)	140/37
Master die D/L (inch)	3.90/1.46
Motor Power (kW/HP)	4.0/5.5
Oil tank volume	50 l
Z-model availability	YES

Power supply cable not included.

DIMENSIONS (LxWxH)	
Standard (mm)	835x885x997
Standard (inch)	32.9x34.8x39.3
Z-model head (mm)	406x372x395
Z-model hydraulic unit (mm)	653x473x711
Z-model head (inch)	15.9x14.6x15.6
Z-model hydraulic unit (inch)	25.7x18.6x27.9
WEIGHT (KG/LBS)	
Standard	288/529
Z-model head	129/284
Z-model hydraulic unit	96/211

- 1) With standard dies. Crimping range can be increased with special dies.
- 2) Theoretical with 10mm cycle.
- 3) Maximum opening is the total die travel. Add this value to the minimum crimping diameter of the die set used. The result is the maximum opening of the machine with die set in place.

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Please note that the images are for illustrative purposes only. The final product may vary in design, features or specifications.

## CONTROL

ICC (7" touchscreen)

## STANDARD FEATURES

Foot pedal (Standard)  
Mechanical back stop device  
Pressure crimping ICC1  
Step crimping ICC2

## OPTIONS

Adapter dies for NC20-series (part no 702079)  
Adapter dies for NC30-series (part no 702758)  
Foot pedal (Z-model) (part no 691563)  
Auto greasing G3  
Oil Condition Monitoring OCM  
Quality control ICC3  
Graphical quality control ICC4  
Remote control unit R2 (double hand)  
Interface pack ETH (Communication TCP/IP & UDP)  
A3 signal  
Bar Code Reader BCR



## DIE SET NC20-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
18546/12	12	3	12.0-16.0
18546/16	16	4	16.0-22.0
18546/22	22	4.5	22.0-27.0
18546/27	27	5	27.0-34.0
18546/34	34	5	34.0-41.0
18546/41	41	5	41.0-49.0

## DIE SET NC30-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
702044/12	12	3	12.0-14.0
702044/14	14	3	14.0-16.0
702044/16	16	4	16.0-19.0
702044/19	19	4	19.0-22.0
702044/22	22	4.5	22.0-26.0
702044/26	26	4.5	26.0-30.0
702044/30	30	5	30.0-34.0
702044/34	34	5	34.0-39.0
702044/39	39	5	39.0-45.0
702044/45	45	5	45.0-51.0
702044/51	51	5	51.0-57.0
702044/57	57	5	57.0-63.0

## DIE SET NC40-SERIES

DieSetNo	D (mm)	L (mm)	Crimp. range (mm)
703955/63	63	5	63.0-69.0
703955/69	69	5	69.0-73.0
703955/73	73	6	73.0-81.0
703955/81	81	7	81.0-93.0
703955/93	93	7	93.0-105.0

In addition to the standard die sets, a wide range of special die sets is available on request.