



INDUSTRY 4.0



# FP120

NEW FINN-POWER FP120, THE LEGEND IS REBORN

New FP120 is compact and easy to use, designed to handle the highest production volumes. Unbeaten in terms of speed, precision, durability and quality. FP120 is available with separate hydraulic unit or as a compact model. With separate hydraulic unit, access to the back side of the machine is free, when part feeding from the back is needed.

## TECHNICAL DATA

|   |                    |
|---|--------------------|
| Max crimping dia (mm/inch) <sup>1)</sup>    | 87/3.42            |
| Max crimping dia with master dies (mm/inch) | 109/4.3            |
| Max. crimping force (kN)                    | 2800               |
| Max. crimping force (tonnage)               | 280                |
| Cycle time 10 mm (s) <sup>2)</sup>          | 1.8 (S-model: 1.6) |
| Hydraulic hose size (inch)                  | 2 *                |
| Industrial hose size (inch)                 | 3.42 *             |
| Die set series <sup>3)</sup>                | 32                 |
| Max. opening (mm) <sup>4)</sup>             | +68                |
| Max. opening without dies (mm)              | 167                |
| Master die D/L (mm)                         | 99/97              |
| Master die D/L (inch)                       | 3.90/3.82          |
| Motor Power (kW/HP)                         | 6.5/8.8            |
| Oil tank volume                             | 135 l              |

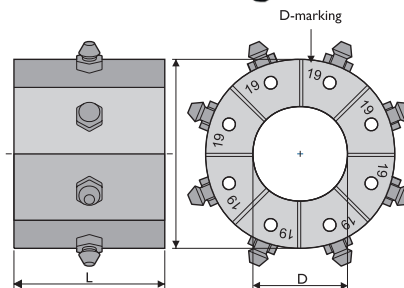
## DIMENSIONS (LxWxH)

|                       |                |
|-----------------------|----------------|
| Machine (mm)          | 881X664X1561   |
| Hydraulic Unit (mm)   | 782X753X1043   |
| Machine (inch)        | 34.7X26.1X61.5 |
| Hydraulic Unit (inch) | 30.8X29.6X41.0 |

## WEIGHT (KG/LBS)

|                |           |
|----------------|-----------|
| Machine        | 875/1925  |
| Hydraulic Unit | 220/484   |
| Compact setup  | 1060/2332 |

\* ACCORDING TO THE FITTING.



- 1) With standard dies. Crimping range can be increased with special dies.
- 2) Theoretical with 10 mm cycle.
- 3) Hydraulic hose / industrial hose
- 4) 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.

Power supply cable not included.

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

ABSOLUTE  
QUALITY  
MADE IN  
FINLAND

## CONTROL

ICC (7" touchscreen) or  
SCC (5" touchscreen)

## STANDARD FEATURES

QuickChange-tool (part no 701049)  
Electric backstop device (part no 705183)  
Mirror (part no 054010)  
Die racks (part no: 721486)  
The same part goes for right and left.  
Pressure crimping (ICC only)  
Step crimping

## OPTIONS (SCC & ICC)

Foot pedal (part no 691563)  
Side table (part no: 719216 (right), 719152 (left))  
Side die rack, 5 slots (Compact only) (part no 717685)  
Die rack, 9 slots (part no: 721486)  
The same part goes for right and left.  
Mechanical back stop device (part no 704920)  
Interface pack ETH (Communication TCP/IP & UDP)  
Oil cooler J3 \*\*  
Pinning support mandrel  
Horizontal Back layout HB  
Horizontal Side layout HS

\*\* Will have impact on motor size,  
hydraulic unit dimensions and weight

## OPTIONS (ICC ONLY)

Smart die rack SDR (8 or 16 slot model available)  
Quality control ICC3  
Graphical quality control ICC4  
Auto greasing G3  
Bar Code Reader BCR  
Speed adjustment \*\*  
Oil Condition Monitoring OCM  
Industry 4.0  
A3 signal  
Camera with 7" display

\*\* Will have impact on motor size,  
hydraulic unit dimensions and weight.

## DIE SET 32-SERIES

| DieSetNo | D (mm) | L (mm) | Crimp. range (mm) |
|----------|--------|--------|-------------------|
| 18506/10 | 10     | 55     | 10.0-12.0         |
| 18506/12 | 12     | 55     | 12.0-14.0         |
| 18506/14 | 14     | 55     | 14.0-16.0         |
| 18506/16 | 16     | 55     | 16.0-19.0         |
| 18506/19 | 19     | 55     | 19.0-22.0         |
| 18506/22 | 22     | 70     | 22.0-26.0         |
| 18506/26 | 26     | 70     | 26.0-30.0         |
| 18506/30 | 30     | 70     | 30.0-34.0         |
| 18506/34 | 34     | 75     | 34.0-39.0         |
| 18506/39 | 39     | 75     | 39.0-45.0         |
| 18506/45 | 45     | 90     | 45.0-51.0         |
| 18506/51 | 51     | 90     | 51.0-57.0         |
| 18506/57 | 57     | 100    | 57.0-63.0         |
| 18506/63 | 63     | 110    | 63.0-69.0         |
| 18506/69 | 69     | 110    | 69.0-75.0         |
| 18506/74 | 74     | 110    | 74.0-80.0         |
| 18506/78 | 78     | 110    | 78.0-87.0         |

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