

Heavy duty production line

The FP160 or FP165 is the ideal choice when a variety of sizes and types of fittings are produced in large quantities. They are especially suitable for manu-facturing large fittings. Their high capacity, flexibility and complementary control options really put these machines in a class of their own.

The FP170 and FP175, "Finn-Power's Titans", are ideal choices when your operation requires crimping of very large hoses or reduction of big pipes. They can be used also for connecting parts requiring extremely high forces.



UC CONTROL

The most advanced crimping control in the world. Basic functions quick and easy to use. Extends up to the online quality monitoring.

- online quality monitoring
 - connectivity
 - usability

FLEXIBLE LAYOUT

- separate hydraulic- and crimping units for optimal use of space
 - optional connection kit

ENERGY SAVING MODE

- motor stand-by function
 - silent

OPTIONS

- pressure crimping
- multi-step crimping
- online quality monitoring
 - auto greasing
 - speed adjustment
- remotic control unit
 - oil cooler
- pinning support mandrel

SERVICE-FRIENDLY CONSTRUCTION

- all-round and quick accessibility for maintenance

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Technical specifications

Technical specifications	FP160	FP165	Code	Crimping diameter (mm)	L (mm)	
Crimping range Ø (mm) ⁽¹⁾	10...202	10...202	P32 die sets used with adapter dies	32-10 32-12 32-14 32-16 32-19 32-22 32-26 32-30 32-34 32-39 32-45 32-51 32-57 32-63 32-69 32-74 32-78	10.0 - 12.0 12.0 - 14.0 14.0 - 16.0 16.0 - 19.0 19.0 - 22.0 22.0 - 26.0 26.0 - 30.0 30.0 - 34.0 34.0 - 39.0 39.0 - 45.0 45.0 - 51.0 51.0 - 57.0 57.0 - 63.0 63.0 - 69.0 69.0 - 75.0 74.0 - 80.0 78.0 - 87.0	55 55 55 55 55 70 70 75 75 90 90 100 110 110 110 110
Crimping force (kN)	3500	5000	FP160 die sets used without adapter dies	160-84 160-92 160-100 160-108 160-116 160-126 160-136 160-146 160-156 160-166 160-178 160-190	84.0 - 92.0 92.0 - 100.0 100.0 - 108.0 108.0 - 116.0 116.0 - 126.0 126.0 - 136.0 136.0 - 146.0 146.0 - 156.0 156.0 - 166.0 166.0 - 178.0 178.0 - 190.0 190.0 - 202.0	116 116 116 116 116 116 116 116 116 116 116 116
Number of crimps/hour ⁽²⁾	1800	1260				
Hose size ID (inch)	6	6				
Die type ⁽³⁾	P32/FP160	P32/FP160				
Max opening (mm) ⁽⁴⁾	+125	+125				
Master die shoe length (mm)	116	116				
Motor (kW)	5.5	5.5				
Dimensions / crimping unit						
length (mm)	940	1060				
width (mm)	860	860				
height (mm)	1780	1825				
Dimensions / hydraulic unit						
length (mm)	600	600				
width (mm)	1056	1056				
height (mm)	1185	1185				
Weight (kg) / crimping unit	2000	2460				
Weight without oil (kg) / hydraulic unit	225	225				

(1) With standard dies. Crimping range can be increased with special dies.
 (2) Theoretical with ½" hose Ø 10 mm
 (3) See table for die set data
 (4) Min. crimping dia. of die set added by table value

In addition to the standard die sets and FP160 / FP165 die sets a wide range of special die sets from 4 mm up to 230 mm is available

Subject to changes without prior notice.

Technical specifications	FP170	FP175	Code	Crimping diameter (mm)	L (mm)	
Crimping range Ø (mm) ⁽¹⁾	10...320	10...320	FP160 die sets used with adapter dies	160-84 160-92 160-100 160-108 160-116 160-126 160-136 160-146 160-156 160-166 160-178 160-190	84.0 - 92.0 92.0 - 100.0 100.0 - 108.0 108.0 - 116.0 116.0 - 126.0 126.0 - 136.0 136.0 - 146.0 146.0 - 156.0 156.0 - 166.0 166.0 - 178.0 178.0 - 190.0 190.0 - 202.0	116 116 116 116 116 116 116 116 116 116 116 116
Crimping force (kN)	6600	8300	FP170 die sets used without adapter dies	170-205 170-220 170-235 170-250 170-270 170-290	205.0 - 220.0 220.0 - 235.0 235.0 - 250.0 250.0 - 270.0 270.0 - 290.0 290.0 - 320.0	220 220 220 220 220 220
Number of crimps/hour ⁽²⁾	1160	1140				
Hose size ID (inch)	10	10				
Die type ⁽³⁾	P32/FP160/FP170	P32/FP160/FP170				
Max opening (mm) ⁽⁴⁾	+155	+155				
Master die shoe length (mm)	220	220				
Motor (kW)	7.5	7.5				
Dimensions / crimping unit						
length (mm)	1200	1200				
width (mm)	936	936				
height (mm)	2080	2080				
Dimensions / hydraulic unit						
length (mm)	600	640				
width (mm)	1056	1156				
height (mm)	1185	1185				
Weight (kg) / crimping unit	4280	4400				
Weight without oil (kg) / hydraulic unit	245	310				

(1) With standard dies. Crimping range can be increased with special dies.
 (2) Theoretical with ½" hose Ø 10 mm
 (3) See table for die set data
 (4) Min. crimping dia. of die set added by table value

In addition to FP160 and FP170 die sets, a special die sets are available according to customer's request.

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