



HEAVY-DUTY PRODUCTION

**POWERFUL  
AND FLEXIBLE  
WITH UNLIMITED  
POTENTIAL**

**FINN•POWER**

# FINN-POWER

## HIGH QUALITY CRIMPING WITH OVER 40 YEARS OF EXPERIENCE

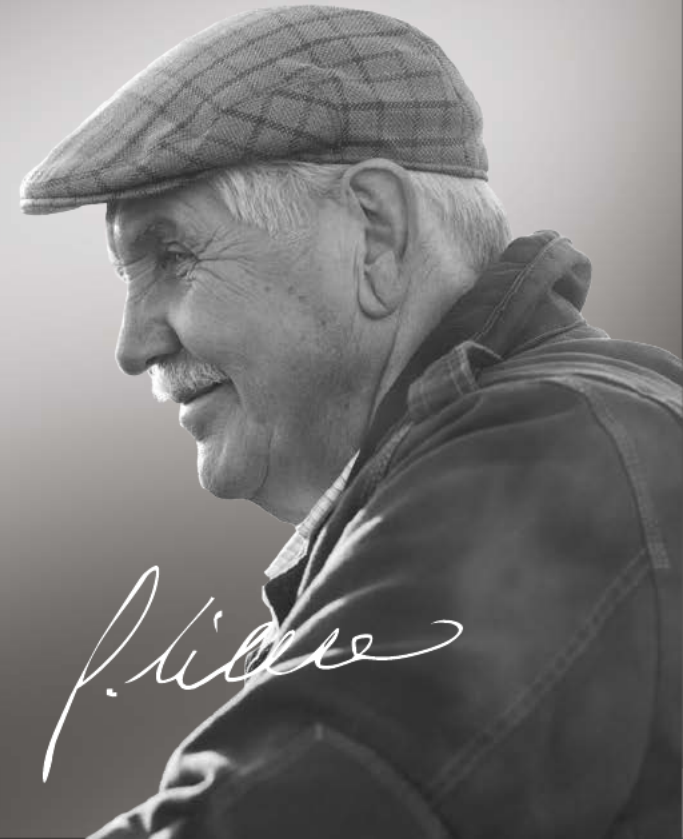
Each year Lillbacka Powerco Oy manufactures thousands of different types of crimping machines, as well as hose cutting and nut crimping machines. Approximately 95% of Powerco's production is exported through an international distributor network to more than 60 countries from the company factory in Finland. Finn-Power is known everywhere for its quality and long-lasting crimping machines, which are produced by Lillbacka Powerco with more than 40 years of manufacturing experience. We offer reliable, durable and accurate crimping machines to meet the requirements of different industries.

Finn-Power products offer the highest and most dependable quality thanks to the many years of experience in product design, engineering, development and manufacturing. Each machine is carefully tested and there's minimal need for calibration. The driving force behind the success of Finn-Power products lies in the many skilled professionals with customer service oriented attitude. Finn-Power machines represent high-quality Finnish engineering work at its best.

We make the quality for you!

## Dreams came true

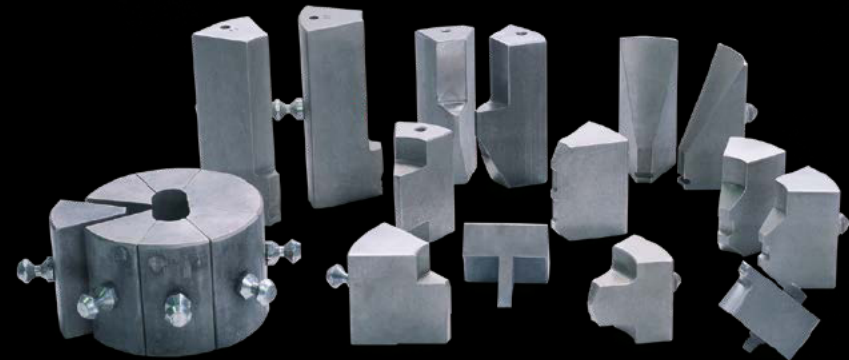
Jorma Lillbacka, who grew up in the spacious nature of Ostrobothnia, has never gone with the flow. Already from childhood, Jorma has determinedly carried out his own dreams and built everything from powerful industrial machines to airplanes. Lillbacka's entrepreneurial spirit has made innovation, quality and service more than just words: they are a way of life. Lillbacka Group is strongly Finnish company whose main pillar of operations is the high quality of products. For over 40 years Lillbacka has proven to be successful, creative and diverse. At Lillbacka, dreams can indeed become reality.





# FINN-POWER HEAVY-DUTY PRODUCTION

Finn-Power FP series crimping machines are powerful and versatile with unlimited potential. These crimping machines' high production capacity and unlimited uses guarantee the excellence in heavy-duty crimping. Their high capacity, versatility and complementary control options put these machines in a class of their own.





FP160, FP160H, FP165

## LARGE FITTINGS - NO PROBLEM FOR THESE MACHINES

Finn-Power FP160 and FP165 models are ideal choices when crimping a variety of sizes and types of assemblies. They are especially suitable for crimping large fittings. Their high capacity, versatility and complementary control options really put these machines in a class of their own. Foot pedal is included with the machine. Horizontal construction is available on request.

### CONTROL

ICC

TOUCHSCREEN, ADVANCED QUALITY CONTROL AND QUICK SET UP

UC

STRAIGHTFORWARD CRIMPING CONTROL

### AVAILABLE MODELS

H

HORIZONTAL CONSTRUCTION

### STANDARD FEATURES

- Foot pedal
- Electric backstop device
- Counter

### OPTIONS

- QC-Tool base
- Mechanical backstop device
- Auto greasing G3
- Oil cooler
- Speed adjustment
- Remote control unit
- A3 signal option\* (standard for ICC)
- Bar Code Reader
- Pinning support mandrel
- Connectivity pack (ethernet)
- Safety scanner
- Pressure crimping (UC1, ICC1)
- Step crimping (UC2, ICC2)
- Quality crimping (UC3, ICC3)
- Graphical quality crimping (ICC4)
- Camera\*\*

\* ICC 7", 12" \*\* ICC 12"

### DIE SET P32

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

### DIE SET FP160

Pno	Crimp. range	D	L
18852/84	84.0 - 92.0	84	116
18852/92	92.0 - 100.0	92	116
18852/100	100.0 - 108.0	100	116
18852/108	108.0 - 116.0	108	116
18852/116	116.0 - 126.0	116	116
18852/126	126.0 - 136.0	126	116
18852/136	136.0 - 146.0	136	116
18852/146	146.0 - 156.0	146	116
18852/156	156.0 - 166.0	156	116
18852/166	166.0 - 178.0	166	116
18852/178	178.0 - 190.0	178	116
18852/190	190.0 - 202.0	190	116



### FP160 - FASTEST

FP160 is the fastest model of the FP-series, and can crimp up to 1800 crimps per hour.



### FP160H - HORIZONTAL

FP160 is the fastest model of the FP-series, and can crimp up to 1800 crimps per hour.



### FP165 - STRONGEST

Strong FP165 has a power of 5000 kN and is especially suitable for crimping large fittings.

#### FEATURES

#### DIE SETS

P32, FP160

P32, FP160

P32, FP160

#### CRIMPING RANGE (MM) <sup>1)</sup>

10 - 202

10 - 202

10 - 202

#### CRIMPING RANGE (INCH) <sup>1)</sup>

0.39 - 7.95

0.39 - 7.95

0.39 - 7.95

#### MAX OPENING (MM)

+125

+125

+125

#### MAX CRIMPING FORCE (KN)

3 500

3 500

5 000

#### MAX CRIMPING FORCE (TON.)

350

350

500

#### NUMBER OF CRIMPS/HOUR <sup>2)</sup>

1 800

1 800

1 260

#### MOTOR (KW)

5.5

5.5

5.5

#### MOTOR (HP)

7.5

7.5

7.5

#### WEIGHT (KG)

2 000 / 182

2 000 / 182

2 460 / 182

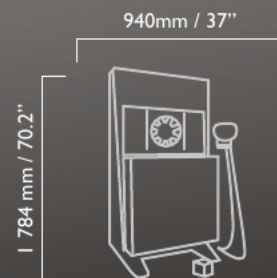
#### WEIGHT (LBS)

4 409 / 402

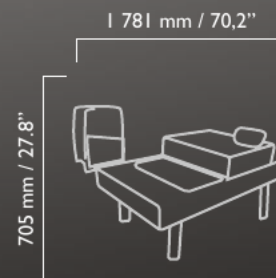
4 409 / 402

5 423 / 402

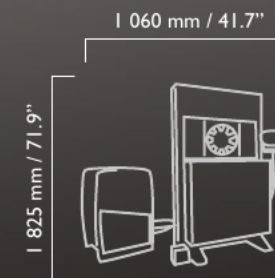
#### MEASUREMENTS



713/1060 mm / 28.1/41.7"



713/1060 mm / 28.1/41.7"



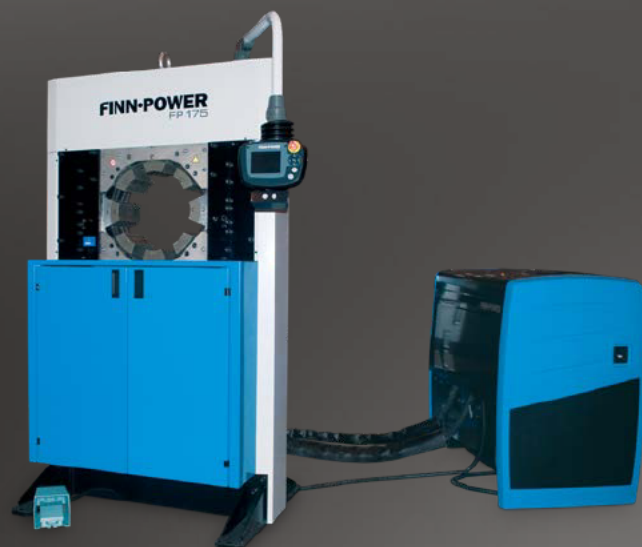
713/1060 mm / 28.1/41.7"

1) With standard dies.  
Crimping range can be increased with special dies.

2) Theoretical with 10 mm cycle.

NB: Machines with ICC3 are i4.0 compatible.





FP170, FP175

# FAST AND POWERFUL FOR SERIOUS HEAVY-DUTY CRIMPING

Finn-Power FP170 and FP175 machines are designed especially for crimping large fittings. These machines produce fast and accurate outcomes. Their excellent features and high production capacity make them ideal partners for serious heavy-duty crimping. Horizontal construction is available on request.

## CONTROL

**ICC** TOUCHSCREEN, ADVANCED QUALITY CONTROL AND QUICK SET UP

**UC** STRAIGHTFORWARD CRIMPING CONTROL

## AVAILABLE MODELS

**H** HORIZONTAL CONSTRUCTION

## STANDARD FEATURES

- Foot pedal
- Electric backstop device
- Counter

## OPTIONS

- Mechanical backstop device
- Auto greasing G3
- Oil cooler
- Speed adjustment
- Remote control unit
- A3 signal option\* (standard for ICC)
- Bar Code Reader
- Pinning support mandrel
- Connectivity pack (ethernet)
- Safety scanner
- Pressure crimping (UC1, ICC1)
- Step crimping (UC2, ICC2)
- Quality crimping (UC3, ICC3)
- Graphical quality crimping (ICC4)
- Camera\*\*

\* ICC 7", 12" \*\* ICC 12"

## DIE SET P32

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

## DIE SET FP160

Pno	Crimp. range	D	L
18852/84	84.0 - 92.0	84	116
18852/92	92.0 - 100.0	92	116
18852/100	100.0 - 108.0	100	116
18852/108	108.0 - 116.0	108	116
18852/116	116.0 - 126.0	116	116
18852/126	126.0 - 136.0	126	116
18852/136	136.0 - 146.0	136	116
18852/146	146.0 - 156.0	146	116
18852/156	156.0 - 166.0	156	116
18852/166	166.0 - 178.0	166	116
18852/178	178.0 - 190.0	178	116
18852/190	190.0 - 202.0	190	116

## DIE SET FP170

Pno	Crimp. range	D	L
405060/205	205.0 - 220.0	205	220
405060/220	220.0 - 235.0	220	220
405060/235	235.0 - 250.0	235	220
405060/250	250.0 - 270.0	250	220
405060/270	270.0 - 290.0	270	220
405060/290	290.0 - 320.0	290	220



### FP170 - STRONG

### FP175 - STRONGEST

#### FEATURES

FP170 is powerful crimping machine which has the speed, force and accuracy combined in the same single machine.

FP175 is even more powerful than FP170 with 8 300 kN crimping force and it has about the same speed.

#### DIE SETS

P32, FP160, FP170

P32, FP160, FP170

#### CRIMPING RANGE (MM) <sup>(1)</sup>

10 - 320

10 - 320

#### CRIMPING RANGE (INCH) <sup>(1)</sup>

0.39 - 12.60

0.39 - 12.60

#### MAX OPENING (MM)

+155

+155

#### MAX CRIMPING FORCE (KN)

6 600

8 300

#### MAX CRIMPING FORCE (TON.)

660

830

#### NUMBER OF CRIMPS/HOUR <sup>(2)</sup>

1 160

1 140

#### MOTOR (KW)

7.5

11

#### MOTOR (HP)

10

15

#### WEIGHT (KG)

4 280 / 310

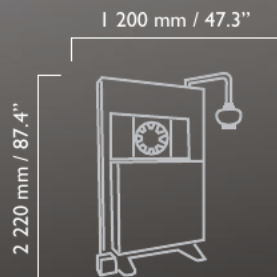
4 400 / 350

#### WEIGHT (LBS)

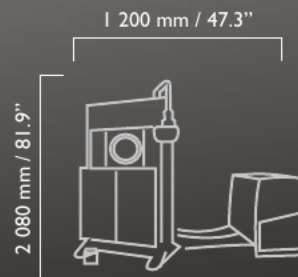
9 436 / 684

9 700 / 772

#### MEASUREMENTS



1195/1141 mm / 47/44.9"



1195/1141 mm / 47/44.9"

1) With standard dies.  
Crimping range can be increased with special dies.

2) Theoretical with 10 mm cycle.

NB: Machines with ICC3 are i4.0 compatible.

# BE THE BEST OUR DNA

**FINN•POWER**

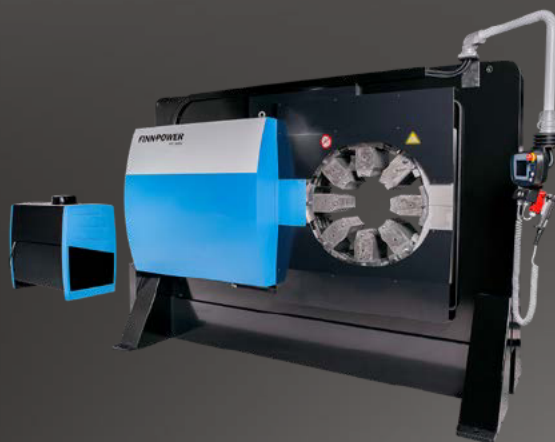
COMPROMISE/  
NOT AN  
OPTION





## CRIMPING MACHINES WITH UNLIMITED POTENTIAL

Lillbacka Powerco has brought to market crimping machines in a class of their own. King Crimpers are the biggest and strongest crimping machines in Finn-Power production range and they are ideal for manufacturing large fittings for example in oil industry. King Crimpers can be used for challenging crimping for a wide variety of applications. Their unlimited capacity and versatility provide high-end results in serious heavy-duty crimping.



KC800, KC1200, KC2000

## BIGGEST AND STRONGEST WITH UNLIMITED POTENTIAL

The extremely large opening, enormous crimping force, the most advanced crimping control in the market with remote control and consistent repeatability guarantees, that there are no limitations to the possibilities of applications uses for the King Crimpers. King Crimper also has a quick and precise joint and a free placing of the operating unit.

### CONTROL

ICC

TOUCHSCREEN, ADVANCED QUALITY CONTROL AND QUICK SET UP

UC

STRAIGHTFORWARD CRIMPING CONTROL

### STANDARD FEATURES

- Foot pedal
- Auto greasing G3
- Counter
- Remote control unit
- A3 signal option (standard for ICC)
- Bar Code Reader
- Connectivity pack (ethernet)
- Pressure crimping (UC1, ICC1)
- Step crimping (UC2, ICC2)
- Quality crimping (UC3, ICC3)
- Graphical quality crimping (ICC4)
- Camera\*\*

### OPTIONS

- Safety scanner
- Oil cooler

\*\* ICC 12"

### DIE SET FP160

Pno	Crimp. range	D	L
18852/84	84.0 - 92.0	84	116
18852/92	92.0 - 100.0	92	116
18852/100	100.0 - 108.0	100	116
18852/108	108.0 - 116.0	108	116
18852/116	116.0 - 126.0	116	116
18852/126	126.0 - 136.0	126	116
18852/136	136.0 - 146.0	136	116
18852/146	146.0 - 156.0	146	116
18852/156	156.0 - 166.0	156	116
18852/166	166.0 - 178.0	166	116
18852/178	178.0 - 190.0	178	116
18852/190	190.0 - 202.0	190	116

### DIE SET FP170

Pno	Crimp. range	D	L
405060/205	205.0 - 220.0	205	220
405060/220	220.0 - 235.0	220	220
405060/235	235.0 - 250.0	235	220
405060/250	250.0 - 270.0	250	220
405060/270	270.0 - 290.0	270	220
405060/290	290.0 - 320.0	290	220



### KC800 - SPECTACULAR

Powerful crimping especially for oil, gas and pipe industry, machining and grinding.



### KC1200 - EPIC

KC1200 is even more powerful and bigger heavy-duty crimping machine than KC800. The primary market is the oil and gas industry.



### KC2000 - LIMITLESS

The enormous KC2000 has unlimited potential and uses. This extremely high-powered machine is perfect for oil and gas industry.

#### FEATURES

#### DIE SETS

FP160, FP170

FP160, FP170

FP160, FP170

#### CRIMPING RANGE (MM) <sup>1)</sup>

200 - 650

200 - 650

200 - 650

#### CRIMPING RANGE (INCH) <sup>1)</sup>

7.87 - 25.60

7.87 - 25.60

7.87 - 25.60

#### MAX OPENING (MM)

+180

+180

+180

#### MAX CRIMPING FORCE (KN)

8 000

12 000

20 000

#### MAX CRIMPING FORCE (TON.)

800

1 200

2 000

#### NUMBER OF CRIMPS/HOUR <sup>2)</sup>

NA

NA

NA

#### MOTOR (KW)

11

11

11

#### MOTOR (HP)

15

15

15

#### WEIGHT (KG)

10 000

12 300

14 800

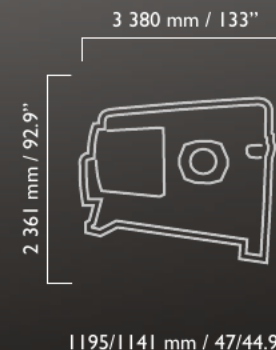
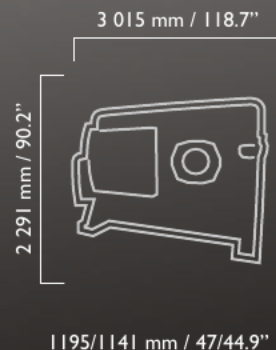
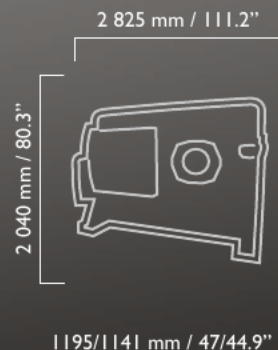
#### WEIGHT (LBS)

22 046

27 116

32 628

#### MEASUREMENTS



- 1) With standard dies. Crimping range can be increased with special dies.
- 2) Theoretical with 10 mm cycle.



**FINN•POWER**

design by  
**buorre**

712648