

Bar Twister,  
Press, Tube Bender,  
Bar Curler

## MODELS

Art.	Phase	Table Length
EF35- 2MT	Three	2000 mm
EF35- 3MT	Three	3000 mm
EF35- 6MT	Three	6000 mm

Note: Machines supplied without oil.



art. EF35- 2MT

## MAX CAPACITY\*

Profile	BAR TWISTER
	35 x 35 mm** (1.38" x 1.38")
	30 x 30 mm** (1.18" x 1.18")
	40 x 10 mm** (1.57" x 0.39")
	-

Profile	PRESS	TUBE AND PIPE BENDER	BAR CURLER
	20 x 20 mm (0.79" x 0.79")	20 x 20 mm (0.79" x 0.79")	20 x 20 mm (0.79" x 0.79")
	Ø 20 mm (0.79")	Ø 20 mm (0.79")	Ø 20 mm (0.79")
	40 x 8 mm (1.57" x 0.31") (only with special tooling kit)	-	40 x 10 mm (1.57" x 0.39")
	-	Ø 33.7 x 3.2 mm (1" Gas x 0.12")	-

\* Capacities based on materials with T.S. 42 Kg/mm<sup>2</sup> (psi 60.000) - Y.P. 25 Kg/mm<sup>2</sup> (psi 36.000).

\*\* Using vice tiebar supplied with machine.

## TECHNICAL FEATURES

- ✓ Modular machine: bar curler, twister, folder, press and tube bender
- ✓ Programmable rotation angle for accurate and repeatable jobs
- ✓ Programmable hydraulic press unit: powered by 5 ton hydraulic piston with a 220 mm stroke
- ✓ The curling unit works horizontally for casier operations and shorter production time
- ✓ High curling capacity of square, round and flat bars
- ✓ Easy to make very tight spirals for applications such as door or gate rings
- ✓ Optional hydraulic secondary outlet, automatically controlled by a footswitch

## TECHNICAL DATA

Description	EF35- 2MT	EF35- 3MT	EF35- 6MT
Standard Working Length (bar twister accessory)	1500 mm (5 ft)	2500 mm (8 ft)	5500 mm (18 ft)
Three Phase Motor	1.1 / 1.5 kW	1.1 / 1.5 kW	1.1 / 1.5 kW
Hydraulic Motor Power	1.5 kW	1.5 kW	1.5 kW
Voltage*	220 / 400 V	220 / 400 V	220 / 400 V
Speed	4.3/8.6 rpm	4.3/8.6 rpm	4.3/8.6 rpm
Weight (without accessories)	500 Kg	510 Kg	540 Kg
Dimensions (w x h x l)	810 x 900 x 3030 mm	810 x 900 x 4030 mm	810 x 900 x 7030 mm

\* Other voltages available upon request

## ERCOFORM ACCESSORIES

### SERVICE TOOLS



Artt. EP25-156 - EP25-155  
CP262 - EP25-154

EF35- 2MT	EF35- 3MT	EF35- 6MT
●	●	●
Artt. EP25-156 - EP25-155 CP262 - EP25-154		

### BAR CURLER UNIT

Complete with nr. 1 medium size chain.



Art. EF35-GR-CAT-MED

EF35- 2MT	EF35- 3MT	EF35- 6MT
●	●	●
Art. EF35-GR-CAT-MED		

### SPIRAL DEVICE

Complete with nr. 1 roll for round, flat and square bars.  
Max capacity: round solid bar Ø 18 mm, square bar 18 x 18 mm.

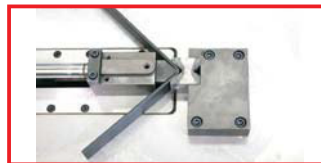


Art. EF35-GR-ANELLI

EF35- 2MT	EF35- 3MT	EF35- 6MT
●	●	●
Art. EF35-GR-ANELLI		

### BAR FOLDER UNIT

Complete with chuck and insert holders.



Art. EF35-GR-C-PRES

EF35- 2MT	EF35- 3MT	EF35- 6MT
●	●	●
Art. EF35-GR-C-PRES		

### TUBE BENDER UNIT



Art. EF35-300A

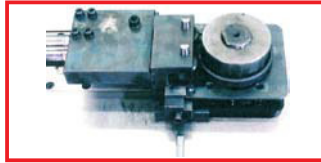
EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. EF35-300A		

### LEGEND

● = standard    ▲ = optional    na = not applicable

## RING ACCESSORY

For metal rings applications, completed with nr. 2 counter-pressure rolls and nr. 1 former (50 mm radius).



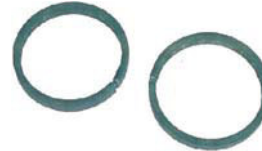
Art. EF35-KC00

EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. EF35-KC00		

## MAX CAPACITY \*

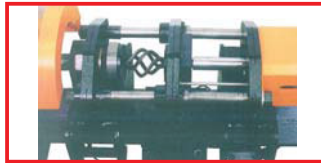
■	Steel R = 35 Kg/mm <sup>2</sup>	12 x 12 mm
●	Steel R = 35 Kg/mm <sup>2</sup>	14 mm

\* With 180 bar working pressure and counter-pressure rolls in inner position.  
For dimensions in inches, see conversion table on page 97.



## BIRD CAGE ACCESSORY

For bird cage shapes from solid square bars welded at the ends.  
Including: one set for bird cages made of 4 bars of 6, 8 or 10 mm. Accessory to be used with foot switch art. P050H.



Art. EF35PGN100-500

EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. EF35PGN100-500		

## MAX CAPACITY

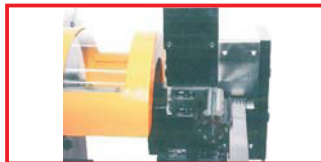
■	Steel R = 37 Kg/mm <sup>2</sup>	4 square bars 10 x 10 mm 8 square bars 8 x 8 mm	Bar length: min 180 mm; max 250 mm
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For dimensions in inches, see conversion table on page 97.



## HOT BAR ROLLING MILL ACCESSORY

For ornamental metalworking. Pre-heated material (with Metal Forging Oven ERCHOHEAT) at 850° C is required.  
Including one set of nr. 2 smooth rolls (for other finishings, special rolls available upon request).  
Accessory to be used with foot switch art. P050H.



Art. EF35-LAM00

EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. EF35-LAM00		

## MAX CAPACITY

■	Steel R = 42 Kg/mm <sup>2</sup>	60 x 15 mm
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For dimensions in inches, see conversion table on page 97.



## LEGEND

● = standard    ▲ = optional    na = not applicable

## HYDRAULIC BAR TWISTER VICE ACCESSORY

For heavy duty applications on the Bar Twisting Unit. Accessory to be used with foot switch art. P050H.



Art. EF35-KMI

EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. EF35-KMI		

## FOOT SWITCH

Required for Bird Cage Accessory art. EF35PGN100-500, Hot Bar Rolling Mill Accessory art. EF35-LAM00 and Hydraulic Bar Twister Vice Accessory art. EF35-KMI on the Bar Twisting Unit.



Art. P050H

EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. P050H		

## CONTROL PANEL

Used for all machine functions.



Art. EF35-CR

EF35- 2MT	EF35- 3MT	EF35- 6MT
▲	▲	▲
Art. EF35-CR		

### LEGEND

● = standard    ▲ = optional    na = not applicable

# TOOLING FOR ERCOFORM



● — For EF35 — ●

## TOOLING FOR CURLING UNIT

Art.	Chain
EF35-GR-CAT-GR	Large
EF35-GR-CAT-MED	Medium
EF35-GR-CAT-P	Small



Art. EF35-GR-CAT-GR





Art. EF35-GR-CAT-MED



Art. EF35-GR-CAT-P

## MAXIMUM CAPACITIES

	■		■		●			
	Min	Max	Min	Max	Min	Max	L	No. of spirals
SMALL Art. EF35-GR-CAT-P	4 x 10 mm	6 x 20 mm	4 x 4 mm	6 x 6 mm	4 mm	6 mm	110 mm	2
MEDIUM Art. EF35-GR-CAT-MED	8 x 10 mm	10 x 40 mm	8 x 8 mm	10 x 10 mm	8 mm	10 mm	300 mm (370 with links upon request)	3
LARGE Art. EF35-GR-CAT-GR	6 x 10 mm	10 x 30 mm	6 x 6 mm	20 x 20 mm	6 mm	20 mm	250 mm (300 with links upon request)	2

## FORMERS FOR RING ACCESSORY

Art.	∅ ring, mm
EF35-KC10D80	80
EF35-KC10D90	90
EF35-KC10D100	100
EF35-KC10D110	110
EF35-KC10D121	121
EF35-KC10D150	150



## PRISMS FOR BAR FOLDING UNIT

Art.	Groove, mm	Max Capacity
EF35-MS01	78	16 x 16
EF35-MS02	100	20 x 20
EF35-MS03	120	16 x 16

