

CNC PRODUCTS



ENGLISH (mm)

GEKA 
The steel working company

the GEKA GROUP

Quality, Know-how, Service

EXPERIENCE

The GEKA Group began manufacturing ironworkers in 1919. GEKA ironworkers process angles, flat bar and steel profiles used in the construction of prefab metal structures; towers for high-voltage power lines and power stations; telecommunications towers; and other diverse industrial metalworking applications.

Each new machine project is studied individually by our technical office and is manufactured in full at our facilities in accordance with the strictest quality standards.

GEKA has the broadest range of accessories and optional equipment on the market to ensure versatile machines that meet our customers' needs.

QUALITY ASSURANCE

Each and every GEKA machine is crafted by us in our plant which permits us absolute control over every aspect of the production process. Like our machines, we also manufacture our extensive line of tools and accessories in our own plant, guaranteeing a standard of quality far superior to "knockoffs" available elsewhere on the market. GEKA is your benchmark for experience and quality.

VERSATILITY

GEKA has earned its name as a pioneering and trustworthy brand in the metalwork sector due to its continuous developments and hard work, from the very first manual shearing machines to today's cutting-edge automated equipment.

EXCEEDING CUSTOMER EXPECTATIONS

Our customer care and on-line support are provided around the clock. A qualified team of technicians in our Customer Care Center is committed to provide after-sales service in order to solve any questions or needs.

R&D&i

Against a background of growing international competition, automation and innovation in production processes are key factors in guaranteeing a company's competitive edge. Our team of experienced experts devotes their time exclusively to researching and innovating our developments.

GEKA has consistently delivered outcomes that spell customer success and satisfaction for over 90 years.

CNC PRODUCTS

Flat Bars
Plates
Beams
Angles
Gamma Traction
Gamma Roller
CNC Solutions

GEKA Worldwide

Know-how and market share characterize our GEKA success story since our humble beginnings almost a century ago. In the first ninety years, the GEKA Group has forged for itself a proven track record of excellence and performance.

- Over 80% of our production is exported
- Our global network consisting of 60 local distributors all over the world
- Worldwide sales in over 85 countries
- On-demand customer care offering superior service and maintenance

On any given day, more than 80,000 GEKA machines are pounding away on five different continents. Now that's customer satisfaction!



STEEL PLATE



CHANNELS

DOUBLE WING
CUT (one of
wich is at 45°)



SHEARING



SPOTTING



TAPPING



FLAT BAR



H CHANNEL



90° CUT



BENDING



MARKING



MILLING



ANGLES



45° CUT



STEEL BAR
CUTTING



PUNCHING



DRILLING



BORING

FLAR BARS

ALFA SERIES

The ALFA product line is designed for automated punching, marking and shearing of flat bars. This yields a final product in one single process, significantly increasing productivity, maximizing efficiency, and dramatically reducing cost and downtime.

ALFA is the ideal choice for steel truss construction, bridge building, manufacturing of electric power transmission equipment, steel fabricators, marine metal fabrication and for high-volume flat bar processing.

FEATURES	ALFA 150	ALFA 500	ALFA 500/150	ALFA 500/165T	ALFA 500/220T
Flat Bar Size (Min.)	25x4 mm	50x5 mm	50x5 mm	100x10 mm	100x10 mm
Flat Bar Size (Max.)	150x10 mm	500x20 mm	500x20 mm	500x30 mm	500x40 mm
Angle size	-	-	150x150x15	-	-
Horizontal-Wing Punches	2	3	3	Up to 3	Up to 3
Maximum Diameter	31 mm	40 mm	40 mm	40 mm	40 mm
Punching Force	640 kN	1100 kN	1100 kN	1650 kN	2200 kN
Marking	-	Disc	Disc	Disc	Disc
Drilling Unit	-	✓	✓	✓	✓



Peripherals Available:

1.- AUTOMATED FEEDER

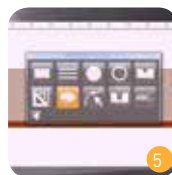
2.- MITER SHEAR UNIT*

3.- MARKING UNIT*

4.- DRILLING UNIT*

5.- LINE PRO SOFTWARE

* Not available in ALFA 150



Capacities based on a material resistance of 45 Kg/mm². Technical characteristics valid except for typographical errors or omissions.

Geka group, committed to continuous product improvement, may without notice change technical specifications, equipment and photographs of models, as well as any other information contained herein.

PLATES

PAXY SERIES

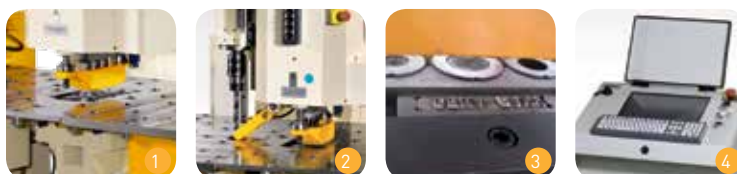
GEKA's PAXY product line offers CNC solutions for automated punching of steel plates. The PAXY line automates tedious and time-consuming preliminary tasks, such as center marking and manual positioning.

FEATURES	PAXY 1000	PAXY 1500	PAXY 2000	PAXY X PLUS
Max. Length (mm)	1000	1500	2000	3000-18000
Max. Width (mm)	500	750	750	750
Max. Puch Thick. (mm)	40	40	40	40
Max. Puch Diam. (mm)	40	40	40	40
Nº Punches	Up to 3	Up to 3	Up to 3	Up to 3
Max. Drilling Diam. (mm)	40	40	40	40



Peripherals Available:

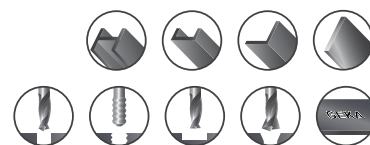
- 1.- TRIPLE-PUNCHING HEAD
- 2.- MARKING UNIT
- 3.- VERTICAL DRILLING UNIT
- 4.- GEKA PRO PC CONTROL



BEAMS

SIGMA 110

Complete processing system for drilling, tapping, milling and marking of beams and profiles, numerically controlled and programmable by means of the CNC – PC based control.



FEATURES	SIGMA 110
Maximum working height	1000 mm
Maximum lenght of profiles	12 m
Type of profiles	Beams, angles, channels, square and rectangular tubes, plates
Profile rotating system	Yes
Operations	Drilling, tapping, milling and marking
Spindle power	15 (peak power) / 11 (nominal) kW
Number of tools	5
Maximum diameter	32 mm
Tool holder	SK 40



ANGLES

Builders of steel truss structures, towers for electric transmission lines and telecommunications equipment, overhead railway power lines, and any structure that requires a large amount of angular profiles.

	GAMMA TRACTION			GAMMA ROLLER		
	GT100	GT160	GT250	GR80 C2PL	GR150 DPS	GR160 ALPS*
Minimum L (mm)	35 x35 x4	35 x35 x4	50x50x5	40x40x4	35x35x4	35x35x4
Maximum L (mm)	100x100x10	160x160x16	250x250x25	80x80x8	150x150x15	160x160x16
Marking	Impact	Cassette	Cassette	-	Disc	Cassette
Nº Punches	Up to 4 (2/leg)	6 (3/leg)	6 (3/leg)	2 (1/wing)	4 (2/wing)	6 (3/wing)
Maximum Diameter (mm)	31	31	31	25	31	31
Punching Force (kN)	490	730	730	340	600	730
Shear station tonnage (kN)	1470	2500	5000	650	1900	2500
Number of drilling tools	-	6 (3 per leg)	6 (3 per leg)	-	-	-
Drill Power (Kw)	-	5,5	5,5	-	-	-

* Flat bar and U channel punching and shearing available

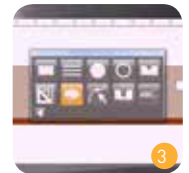
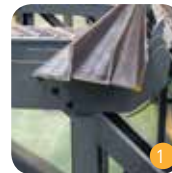
GAMMA TRACTION SERIES



GAMMA TRACTION 100

Peripherals Available:

- 1.- AUTOMATIC SIDE LOADER
- 2.- OUTPUT CONVEYOR UNIT & CLASSIFICATION OF MATERIAL
- 3.- LINE PRO SOFTWARE



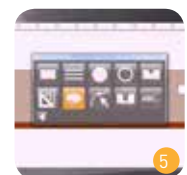
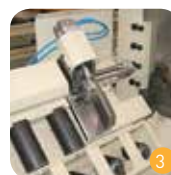
GAMMA ROLLER SERIES



GAMMA ROLLER 160 3P

Peripherals Available:

- AUTOMATED FEEDER
- MARKING UNIT
- 0 WASTE UNIT
- MATERIAL UNLOADING SYSTEM
- LINE PRO SOFTWARE



POSITIONING



SEMIPAXY

Support chassis

Two servo motor-driven positioning carriages

Touch screen

Conveyor assembly consisting of independent servo drives along each axis, spindle and encoder units

FEEDERS



PAX

Conveyor unit and positioning clamping guides

Clamping of material

Servo motor positioning

Linear roller table top

Manually-adjustable set of transverse roller guides

Touch screen monitor



ALRS

Automated feeder of flat bar, available as part of an option package for our HYDRACROP (except 55 tons model) shearing stations.

SPECIAL SOLUTIONS



We cater to your special ironworking requirements.

Generations of solutions working for your next generation of needs.

GEKA GROUP

Quality Know-how Service



World leader in punching and shearing solutions

With more than 80000 happy and satisfied customers worldwide and more than 90 years experience.



Proven quality, design and craftsmanship

ISO 9001 and OHSAS certifications besides 90 years experience and a continuous benchmarking policy.



Complete after sales service

Permanent stock and next day delivery of consumables, accessories and parts. After sales assistance by GEKA's qualified engineers.



Great versatility

More than 50 different machine models and over 8000 different accessories. GEKA offers the highest range in accessories and optional equipment in the market.



Produced & manufactured in the European Union

Conversely other manufacturers, GEKA is the only ironworker fully produced by Geka in the UE.



Continuous innovation

New Bendicrop 85, C2PL, Alfa 500, Alfa 150, Gamma Traction, Sigma110...



Worldwide distribution network

With more than 60 distributors and present in more than 85 countries in 5 continents.



All GEKA machines are special order

Every new GEKA machine is one of a kind. Our designers develop solutions suited to your specific needs. We manufacture each GEKA in our own facilities according to precisely defined standards.

GEKA 
The steel working company

www.geka-group.com

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