

CNC  
ANGLES



ENGLISH (mm)

**GEKA**   
The steel working company

# GEKA CNC

Against a background of growing international competition, automation and innovation in production processes are key factors in guaranteeing a company's competitive edge.

With a view to achieving more precision and productivity, GEKA has included automated mechanisms in its equipment.

GEKA combines the latest in CNC technology for the automated processing of angles and profiles, decades of experience in shearing and punching, and state-of-the-art automation. Our products are technically superior, possessing a natural advantage in the market place. GEKA is a premium quality brand.

## 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!



# ANGLE PROCESSING

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. GEKA machines make the best partners.

For customers looking to large volume processing of angles, quickly and efficiently while optimizing cost, GEKA brings you the most cost effective solution for automated punching and shearing.

## GAMMA TRACTION SERIES

Gamma Traction is the new line by Geka Automation for processing angled sections with a traction system. This version is designed to satisfy the needs of punching, marking and cutting medium-sized angled sections.

Our new traction system with feeder trolley offers you maximum precision. Likewise, it allows you to combine punching with drilling. Gamma Traction 250 the best solution for your needs in punching, drilling, marking and cutting large and medium sized angled sections.

GAMMA TRACTION		GAMMA T100	GAMMA T160	GAMMA T250
Minimum L	mm	35 x35 x4	35 x35 x4	50x50x5
Maximum L	mm	100x100x10	160x160x16	250x250x25
Marking		Impact	Cassette	Cassette
N° Punches		Up to 4 (2/leg)	6 (3/leg)	6 (3/leg)
Maximum Diameter	mm	31	31	31
Punching Force	kN	490	730	730
Shear station tonnage	kN	1470	2500	5000
Number of drilling tools		-	6 (3 per leg)	6 (3 per leg)
Drill Power		-	5,5 Kw	5,5 Kw

## GAMMA ROLLER SERIES

For customers looking to large volume processing of angles, quickly and efficiently while optimizing cost, GEKA brings you the most cost effective solution for automated punching and shearing.

GAMMA ROLLER		GR80	GR150	GR160*
Minimum L	mm	40x40x4	35x35x4	35x35x4
Maximum L	mm	80x80x8	150x150x15	160x160x16
Marking		-	Disc	Cassette
N° Punches		2 (1/wing)	4 (2/wing)	6 (3/wing)
Maximum Diameter	mm	25	31	31
Punching Force	kN	340	600	730
Shear station tonnage	kN	650	1900	2500

\* Flat bar and U channel punching and shearing available

Capacities based on a material resistance of 45 Kg/mm<sup>2</sup>. 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.



# GAMMA TRACTION SERIES

## GAMMA TRACTION 100

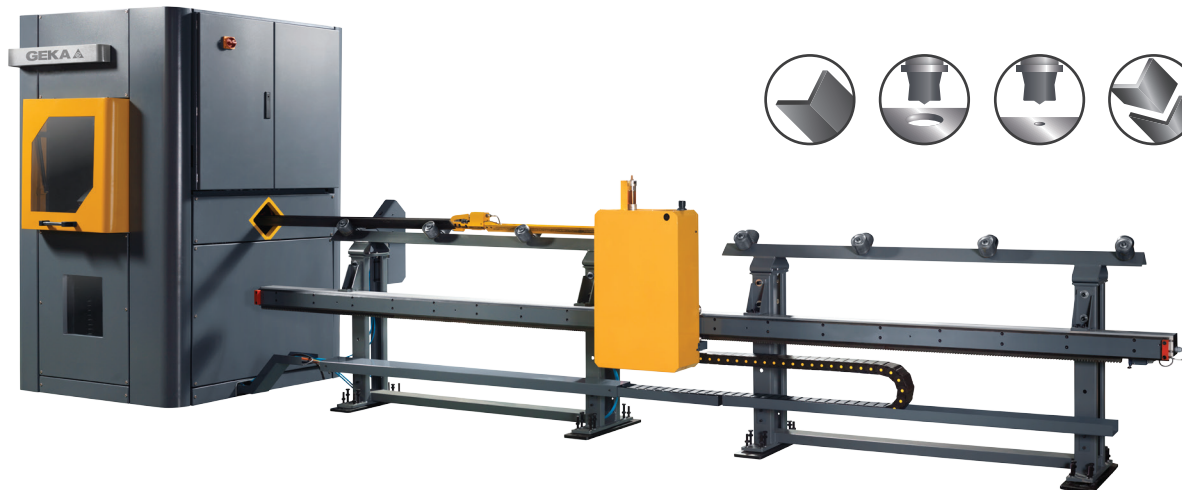
GAMMA TRACTION 100 is the new line by Geka Automation for processing angle sections with a carriage feeding system. This version is designed to satisfy the needs of punching, marking and cutting medium and small sized angle sections.

Our new traction system with a feeder carriage with pincher, combined with the two punching units and with a servo-controlled gauge for each wing, offers a new solution that reduces the size of the machine and allows you to achieve maximum precision.

Its pneumatic impact marker provides a greater versatility, as various types of letters, characters and designs can be marked.

Another novelty is the assembly of punches and dies on fixtures, adjustable outside the machine, allowing you to replace the tools quickly and easily.

The control is a fast, precise and user friendly unit by means of B&R state of the art devices.



### AUTOMATED FEEDER

- Material is clamped and pushed with a pincher
- Rack and pinion system servo motor driven



### PUNCHING UNIT

- 4 punches (2/leg)
- CNC adjustable gauge
- Hydraulic hold down
- OPTIONAL: 2 punches (1/leg)



### SHEARING UNIT

- Clean cuts without waste
- Fast and easy change of blades



### USER-INTERFACE

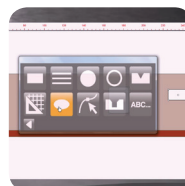
- Touch Screen
- Windows based PC control
- Remote assistance over the internet
- USB Port

## GAMMA TRACTION OPTIONS AVAILABLE



### MARKING UNIT (GT100)

- Impact type (supports later on galvanizing and painting)
- CNC controlled
- Extremely fast and reliable



### SOFTWARE LINE PRO

- Importing of .dxf and .dstv format files
- Nesting optimizes material use
- CNC controlled

# GAMMA TRACTION SERIES

## GAMMA TRACTION 250

Gamma Traction 250 the best solution for your needs in punching, drilling, marking and cutting large and medium sized angled sections.

Our new traction system with feeder trolley offers you maximum precision. Likewise, it allows you to combine punching with drilling. Gamma Traction 250 punches thicknesses of up to 16 mm and drills with four tools per wing up to 40 mm in diameter.

Its powerful and versatile cutting station allows shearing profiles up to 250x250x25 mm.



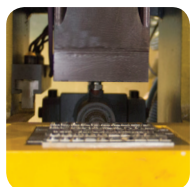
### AUTOMATED FEEDER

- Material is clamped and pushed with a pincher
- Rack and pinion system servo motor driven



### SHEARING UNIT

- Clean cuts without waste
- Fast and easy change of blades



### MARKING UNIT

- CNC controlled positioning and marking selection
- Adjustable pressure (supports later on galvanizing and painting)
- Extremely fast and reliable



### PUNCHING UNITS

- 6 Punch (3/wing)
- CNC Adjustable Back Marks
- Hydraulic hold down



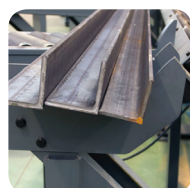
### DOUBLE DRILLING UNIT

- 8 tool (4 wing)
- Máx. diamater 40mm
- SK 40 tool holder



### USER-INTERFACE

- Touch Screen
- Windows based PC control
- Remote assistance over the internet
- USB Port



### AUTOMATIC SIDE LOADER

- For profiles up to 12 m length
- CNC controlled



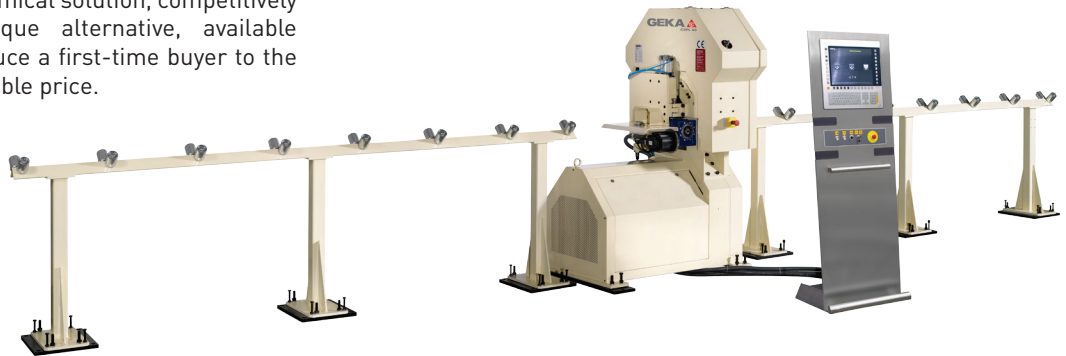
### OUTPUT CONVEYOR UNIT & CLASSIFICATION OF MATERIAL

- CNC-controlled motorized rollers
- Automated tilting device for stacking of finished material
- Profiles up to 12m. in length
- Accommodates forking up to 5 subdivisions

# GAMMA ROLLER SERIES

## GAMMA ROLLER 80 C2PL

The C2PL product line offers an economical solution, competitively priced. Fully automated, this unique alternative, available exclusively through GEKA, will introduce a first-time buyer to the world of automated lines at an affordable price.



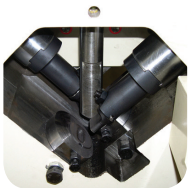
### INPUT CONVEYOR UNIT

- Servo motor-driven tracking roller
- Independent encoder



### SHEARING UNIT

- Clean cuts without waste
- Fast and easy access to blades



### PUNCHING UNIT

- One punch per wing
- Adjustable gauges
- Hydraulic hold down



### CONTROL UNIT

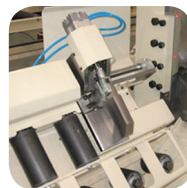
- B&R Power Panel 500 PLC-CNC.
- 10" touch screen.
- 2 Gb Compact Flash Card.
- Programming by ISO code.

## GAMMA ROLLER OPTIONS AVAILABLE



### AUTOMATED FEEDER

- Profiles up to 12 m in length
- CNC-controlled



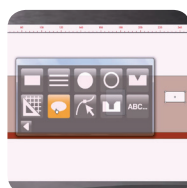
### WASTE UNIT

- Waste material optimization device
- Automatically activated
- CNC-controlled
- Material optimization calculator



### OUTPUT CONVEYOR UNIT & CLASSIFICATION OF MATERIAL

- CNC-controlled motorized rollers
- Automated tilting device for stacking of finished material
- Profiles up to 12 m in length
- Accommodates forking up to 5 subdivisions



### LINE PRO Software

- Importing of .dxf and .dstv format files
- Nesting optimizes material use



## GAMMA ROLLER 150 - 2P DPS

Designed for medium-sized jobs requiring punching, marking and shearing. Our CNC-controlled DPS product line processes large volumes of angular steel bars quickly, efficiently and accurately. With GEKA's wide assortment of equipment, you can configure your line to suit your specific needs.



### PUNCHING UNIT

- 2 punch per wing
- Diameters up to 31 mm
- Hydraulic hold down
- CNC-controlled gauge



### MARKING UNIT AVAILABLE

- Disc type
- Marking Force up to 80 kN
- 40 characters (10x6 mm-sized typeface)
- CNC-controlled

## GAMMA ROLLER 160 - 3P ALPS

The ALPS product line is the most complete solution for punching, marking and shearing of angles for medium-sized and large steel profiles. Its ergonomic design, all-purpose functionality and proven performance, empowers you to execute a greater range

of operations and produce a wider variety of pieces. Low cost and high quality, with the added extra of allowing you the flexibility to process flat bar and U-profiles, as well.



### PUNCHING UNIT

- Three different punches per wing
- Diameters up to 31 mm
- Hydraulic hold down
- CNC-controlled gauges



### MARKING UNIT

- Five references
- 10 characters per reference (10x6 mm-sized typeface)
- PC-controlled selection by reference



## GAMMA ROLLER 150 & 160 FEATURES



### INPUT CONVEYOR UNIT

- Servo motor-driven tracking unit
- Independent encoder
- Feeder tracks at each end of the line



### SHEARING UNIT

- Clean cuts without waste
- Easy and quick access to blades



### USER-INTERFACE

- Windows-based PC
- Network connectivity
- USB ports
- Graphic interfaces
- Remote assistance via internet

# 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.

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The steel working company

[www.geka-group.com](http://www.geka-group.com)

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