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.
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!
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.

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

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.
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.

### PAXY SERIES FEATURES

<table>
<thead>
<tr>
<th>Features</th>
<th>PAXY 1000</th>
<th>PAXY 1500</th>
<th>PAXY 2000</th>
<th>PAXY X PLUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Length (mm)</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
<td>3000-18000</td>
</tr>
<tr>
<td>Max. Width (mm)</td>
<td>500</td>
<td>750</td>
<td>750</td>
<td>750</td>
</tr>
<tr>
<td>Max. Punch Thick. (mm)</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Max. Punch Diam. (mm)</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Nº Punches</td>
<td>Up to 3</td>
<td>Up to 3</td>
<td>Up to 3</td>
<td>Up to 3</td>
</tr>
<tr>
<td>Max. Drilling Diam. (mm)</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
</tr>
</tbody>
</table>

### PAXY

**Peripherals Available:**

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

### BEAMS

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.

### SIGMA 110 FEATURES

<table>
<thead>
<tr>
<th>Features</th>
<th>SIGMA 110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum working height</td>
<td>1000 mm</td>
</tr>
<tr>
<td>Maximum length of profiles</td>
<td>12 m</td>
</tr>
<tr>
<td>Type of profiles</td>
<td>Beams, angles, channels, square and rectangular tubes, plates</td>
</tr>
<tr>
<td>Profile rotating system</td>
<td>Yes</td>
</tr>
<tr>
<td>Operations</td>
<td>Drilling, tapping, milling and marking</td>
</tr>
<tr>
<td>Spindle power</td>
<td>15 (peak power) / 11 (nominal) kW</td>
</tr>
<tr>
<td>Number of tools</td>
<td>5</td>
</tr>
<tr>
<td>Maximum diameter</td>
<td>32 mm</td>
</tr>
<tr>
<td>Tool holder</td>
<td>SK 40</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th></th>
<th>GAMMA TRACTION</th>
<th>GAMMA ROLLER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GT100</td>
<td>GT160</td>
</tr>
<tr>
<td>Minimum L [mm]</td>
<td>35 x35 x4</td>
<td>35 x35 x4</td>
</tr>
<tr>
<td>Maximum L [mm]</td>
<td>100x100x10</td>
<td>160x160x16</td>
</tr>
<tr>
<td>Marking</td>
<td>Impact</td>
<td>Cassette</td>
</tr>
<tr>
<td>Maximum Diameter [mm]</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Punching Force [kN]</td>
<td>490</td>
<td>730</td>
</tr>
<tr>
<td>Shear station tonnage [kN]</td>
<td>1470</td>
<td>2500</td>
</tr>
<tr>
<td>Number of drilling tools</td>
<td>-</td>
<td>6 [3 per leg]</td>
</tr>
<tr>
<td>Drill Power [Kw]</td>
<td>-</td>
<td>5,5</td>
</tr>
</tbody>
</table>

* Flat bar and U channel punching and shearing available

**Peripherals Available:**
1. AUTOMATIC SIDE LOADER
2. OUTPUT CONVEYOR UNIT & CLASSIFICATION OF MATERIAL
3. LINE PRO SOFTWARE

**Peripherals Available:**
- AUTOMATED FEEDER
- MARKING UNIT
- 0 WASTE UNIT
- MATERIAL UNLOADING SYSTEM
- LINE PRO SOFTWARE
CNC SOLUTIONS

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

SPECIAL SOLUTIONS

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

We cater to your special ironworking requirements.

Generations of solutions working for your next generation of needs.
World leader in punching and shearing solutions
With more than 80,000 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, Sigma 110...

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.

www.geka-group.com