



WHEN PRECISION BECOMES PHILOSOPHY

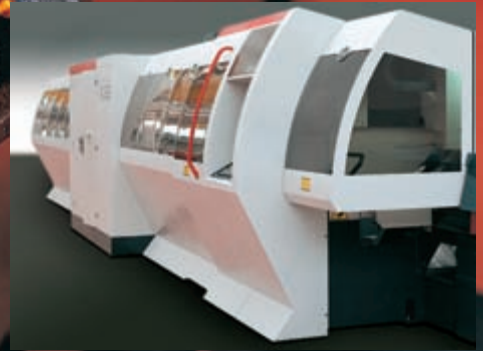
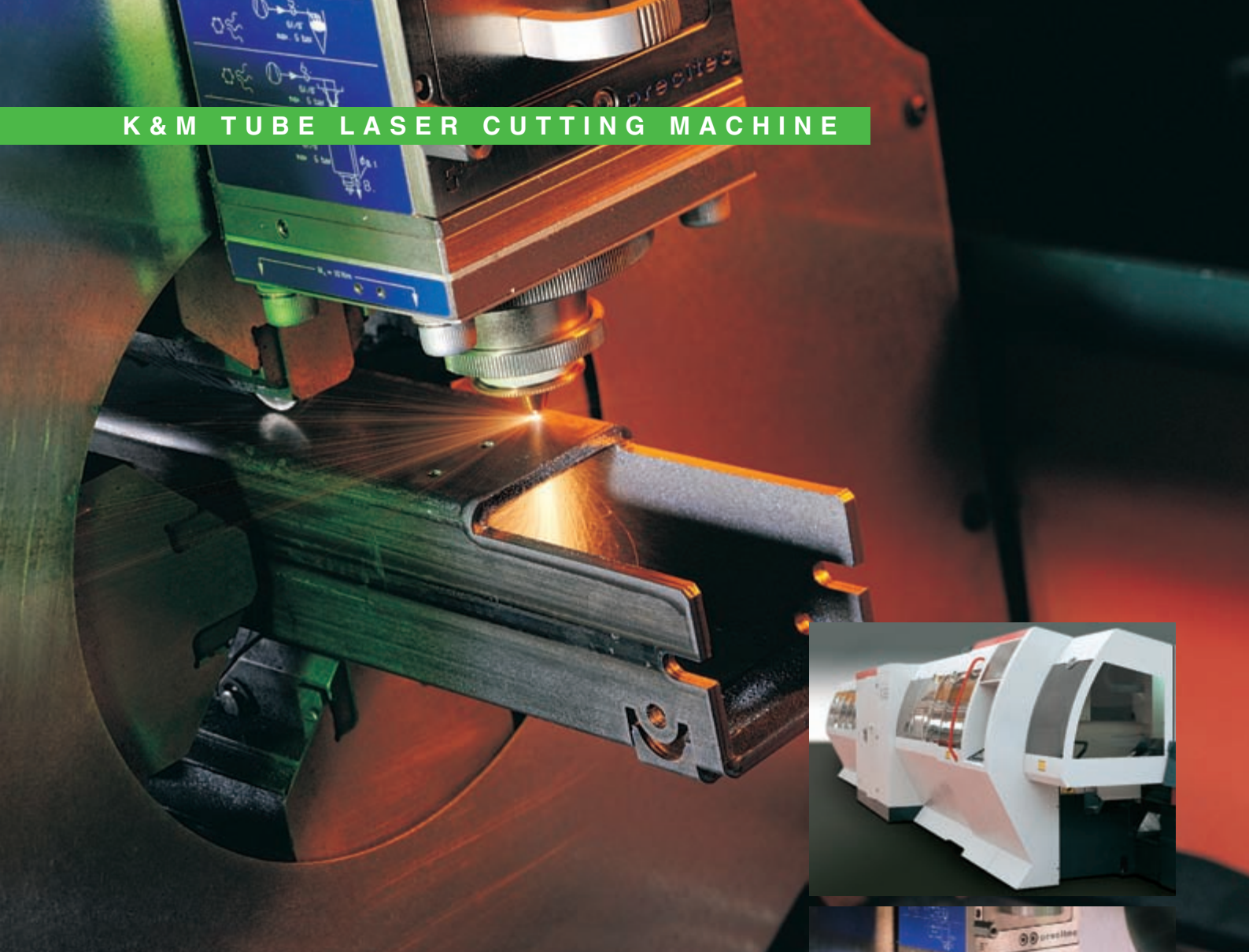
Since the founding of König & Meyer, tool making has been the main focus in our production process. Here creativity teams up with precision. Regular and special tools, follow-on dies and the building of special purpose machines are part of day-to-day business, not least because of our high degree of vertical integration.

From the R&D process on our CAD systems (ME 10 and Unigraphics) up to assembly, experienced specialists painstakingly and expertly prepare solutions for your demands. This level of competence, together with the newest technologies, such as CNC-operated milling and turning as well as wirecutting and electro-erosion machines, is what guarantees the quality of our tools and mechanical engineering.

Hardening:	300 x 170 x 100 mm
CNC milling:	850 x 450 x 450 mm
CNC turning:	diameter 200 mm, L 450 mm
Grinding:	1000 x 600 x 425 mm
Wire-Cutting:	550 x 350 x 300 mm
Electro-Erosion:	620 x 420 x 400 mm
Start hole erosion:	diameter 0.5 mm - 3.0 mm (max. H: 200 mm)



K & M TUBE LASER CUTTING MACHINE



WE SEE TUBES IN A COMPLETELY DIFFERENT LIGHT

Round, square or oval – we finish steel or stainless steel tubes in seconds with the latest laser technology.

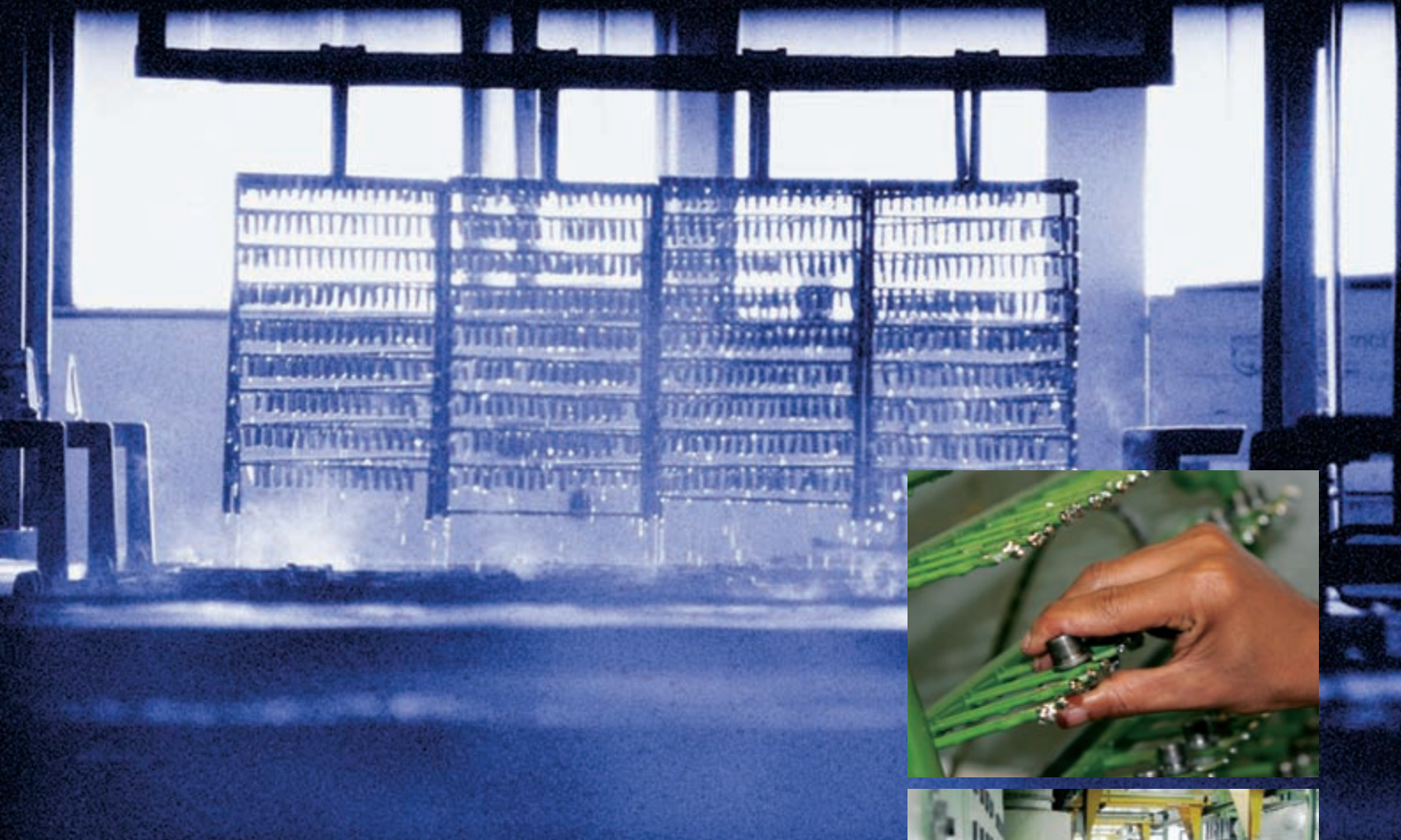
Fully independent of any tools, contours can be cut that offer completely new possibilities for further processing. With the tube laser, a whole world of new products opens up. Thanks to CNC control, requests for alterations can be flowed immediately into the ongoing manufacturing process.

From small series to mass production, we are therefore able to manufacture substantially more economically and flexibly than possible with any conventional punching and separation tool.

Material to be processed:

- steel and stainless steel
- round tube diameter 12 to 140 mm
- square, rectangular and oval tube 12 x 12 to 120 x 120 mm
- tube wall up to 7 mm
- tube lengths up to 6500 mm and workpiece lengths up to 3500 mm possible





HIGH QUALITY PROCESSING IN NICKEL

Rational manufacturing, efficiency and ecological responsibility characterize our way of production during the galvanizing process. That is why it is possible in most cases for us to minimize added costs for our customers via the versatile use of galvanizing racks. In particular, smaller numbers of items can be flexibly and economically integrated into ongoing production.

Through the reprocessing and recycling of used materials, we play our part in environmentally friendly manufacturing. This benefits our customers too, because we pass the cost advantage of reduced material consumption on to them.

Nickel:

- max. component size 250 x 2000 x 800 mm

Nickel cylinder:

- small articles (bulk material 10 - 12 l,
up to 50 kg)

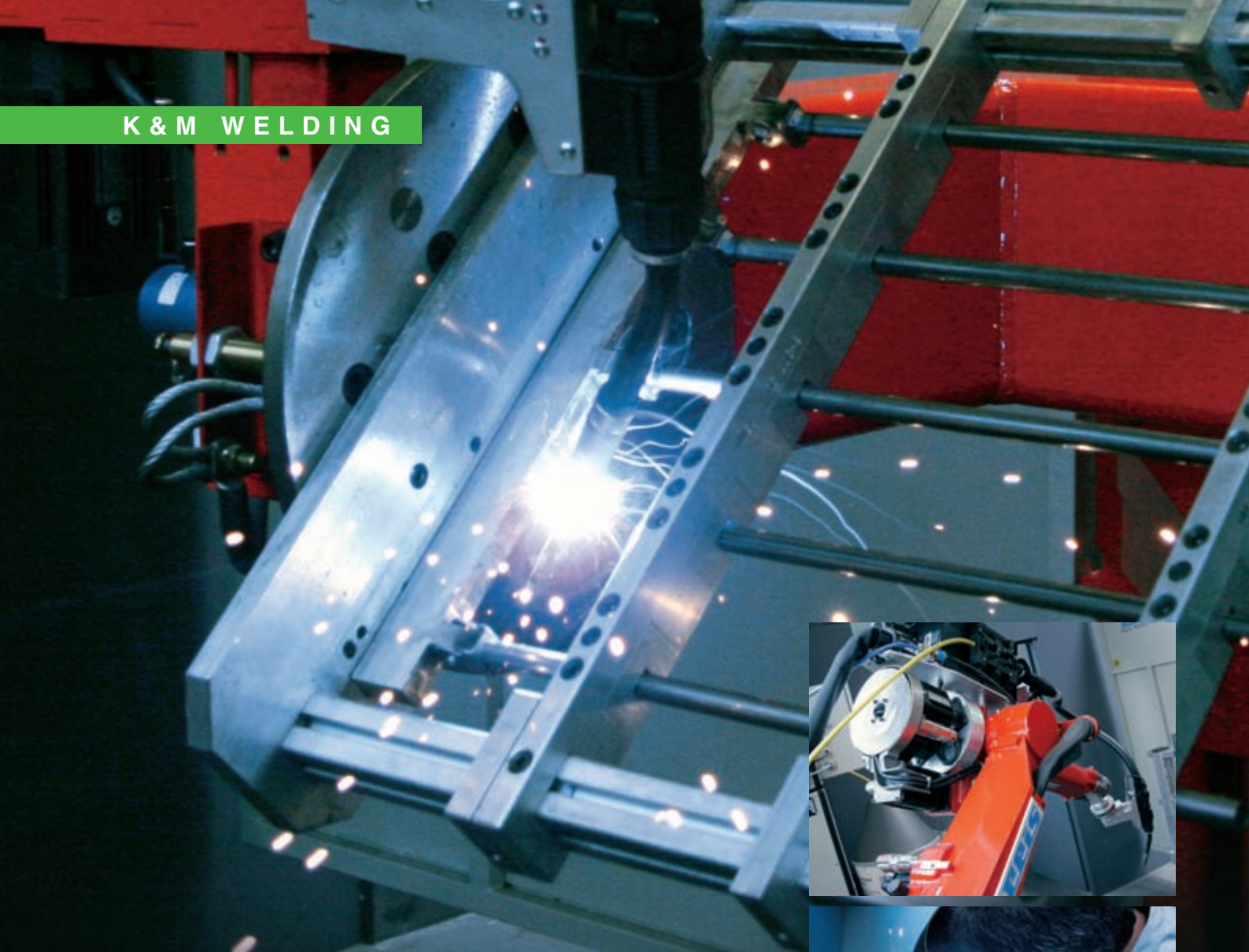
Slide grinder equipment:

- (bulk material 10 - 80 l, up to 125 kg)

Washing equipment for small articles:

- degreasing and bonderizing (10 - 40 l,
up to 60 kg)





THE FUSION OF FLEXIBILITY AND PRECISION

Two fully programmable welding robots offer their unbeatable precision to you around the clock. With their Push & Pull burners (Fronius gas-shielded welding equipment), they create solid joints of invariably uniform quality when welding steel and aluminum.

This applies to the manufacturing of either large or small quantities. In addition, we can manufacture small manually welded lot sizes perfectly and reliably. By means of spot welding or stud welding processes, or MIG/MAG or WIG welding machines, we connect steel components quickly and flexibly per precise specifications.

Welding robots:

- 2 robots (MIG/MAG), each with turntable (max. load capacity 300 kg) for steel and aluminum.

Manual welding equipment:

- spot welding equipment
- stud welding equipment
- MIG/MAG welding machines
- WIG welding machines





HIGH-QUALITY CUTTING AND FORMING

With CNC-operated eccentric presses we process strip steel (also high-grade steel, galvanized steel and aluminum) from the coil to high-quality semi-finished products. Follow-on dies provide for the separation cut, forming, stamping and even thread rolling in one operation. Tracers, contour followers and sensors ensure a safe operational sequence and maximum precision. Our in-house tool shop will gladly provide you with the necessary tools. Our CNC-operated hydraulic presses have a pressing power of up to 63 tons.

We also offer every type of separation cut and forming work in the same high quality.

Hydraulic presses:
- up to 63 t pressing power

Eccentric presses:
- up to 200 t pressing power, 200 strokes/min.
- steel strip in coil (max. w: 540 mm, d: 5 mm)
- Follow-on dies

CNC tube bending machine:
- round tubes, square tubes
- freeform bending





THE ART OF PROCESSING PLASTICS

Highly efficient modern injection molding machines in different categories enable us to process nearly every kind of thermoplastic (except PVC and silicone) quickly and economically in an environmentally friendly fashion. The necessary tools for production can be provided in our in-house tool shop or, due to the compatibility of our machines, be easily taken over from the customer.

Qualified mechanics work efficiently and flexibly for you. That's why we can realize production orders at extremely short notice if needed. Decades of experience in the manufacturing of various plastic parts make us a truly competent partner.

K&M injection molding machines:

Closing power	tool width	injection weight
50 t	420 mm	120 g
60 t	420 mm	114 g
80 t	420 mm	205 g
100 t	420 mm	205 g
150 t	500 mm	290 g
200 t	500 mm	290 g





TURNING: EVERYTHING REVOLVES AROUND QUALITY

When it comes to their machines, they're nobody's fools: Well-trained precision mechanics utilize the full efficiency of our CNC-operated lathes in order to produce as rationally and cost-effectively as possible. Loadable tool turrets with propelled tools able to process components on both sides without clamping as well as load magazines that facilitate an automated production process make this possible.

Round, square or hexagonal material can be processed in aluminum, brass or steel. Strict adherence to tolerances is self-evident.

CNC short automatic lathe equipment:
 - 12-position turret
 with 6 or 12 propelled tools,
 max. component size
 L: 130 mm, Diameter: 60 mm

CNC long automatic lathe equipment:
 - 5-position turret, max. component size
 L: 400 mm, Diameter: 32 mm





ENVIRONMENTALLY-FRIENDLY POWDER COATING TECHNOLOGY

It's in our finish processing that our know-how really shows. Our powder coating plant, newly built in 2004, has set standards in quality, flexibility and effective manufacturing. Here metal parts are electro statically coated by 10 airbrushes (per cabinet) with high-quality powder. A Cyclone compressor or filter provides 93 - 99 % recycling for pollution-free manufacturing and maximum efficiency. In particular, parts to be coated black can be integrated economically and at short notice into ongoing production. Versatile-use rack carts can accommodate nearly all work piece sizes (up to 1200 x 1800 x 400 mm), thereby often eliminating the need for manufacture from scratch. Several buffer stations and three assembly stations ensure fast and flexible production.

- Pretreatment: Degreasing/bonderizing, rinsing, drying
- Assembly: 3 assembly stations
- Coating cabinets
- cabinet 1: black epoxy resin powder
- cabinet 2: for all colors
- max. component size 1200 x 1800 x 400 mm





THIS IS WHERE EVERYTHING COMES TOGETHER

Be it riveting, bolting, force fitting, packaging or complete assembly - manufacturing of any kind is performed quickly and efficiently. Nearly any order can be flexibly assembled at short notice. Requirement specifications, test specifications and running part numbers all contribute to a perfect assembly. Special tools for necessary assembly work can be provided in our in-house tool shop.

Experience in the assembly of high-quality premium brand products as well as OEM products make us a reliable partner for your highest demands.

Bolting, force fitting, riveting
Packaging
Complete assembly
Pad Printing





SERVICE, TECHNOLOGY AND PERFORMANCE

Since 1949 K&M is synonymous with the world's highest quality music stands, hardware and accessories in the music industry. K&M also stands for superior quality as a supplier of finished and semi finished products for other industries.

From design up to completion, K&M offers everything under one roof. Matured production processes and qualified employees ensure that every product is punctually supplied in top quality. Thanks to state-of-the-art technology and our commitment to high vertical integration, K&M possesses a degree of flexibility that facilitates a quick response to our customers needs. In addition to quality (DIN EN ISO 9001:2008) and customer service, environmental protection is one of the company's primary goals. Our certification according to ISO 14001



and EEC environmental audit regulations (EMAS II) and our certification according to the "Sicher mit System" seal of approval underscores our efforts in environmental protection and our outstanding health and safety practices. We will continuously evaluate and improve our processes and technologies in the future as well. All this with one goal in mind: High-quality products for contented customers!

