



ELEVATOR
PRODUCTS

A close-up photograph of a male worker with a beard, wearing blue work gloves, operating a large industrial metalworking machine. The machine has a blue frame and multiple rows of metal components. The worker is focused on his task, looking down at the machine. The background is slightly blurred, showing more of the industrial setting.

Metal Working Solutions

Elevating Perfection



Our Expertise

With over 10 years of experience in the elevator industry we have the know-how to produce tailored fit & high quality elevator installing tools, elevator parts and equipment or complete custom made elevators.

We are specialised in metal production for projects with a strong approach in performance and precision and we can respond quickly to all customer requirements in all metal processing segments with special demands.

With a high-end and automated machine park our team has developed the expertise for specialised metal processing, semi-finished products or complete products.

From high quality and precision cutting, punching, bending and welding to laser engraving, anti corrosive protection and painting we are capable of high-tech processes and technologically demanding projects.

Our Portfolio



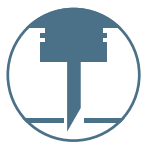
LASER CUTTING



Thin or thick material, complex or simple shape, mild or stainless steel, copper or aluminum.



CNC CUTTING



Automatisation with perfect cuts and without compromise, small parts without difficulty.



CNC PORTAL MILLING



Engraving complex trajectories fast with high precision on metal, alubond or acrylic.



BENDING



Robust and precise for fast production with a high repetition rate. Powerful without oil.



PAINTING AND DRYING



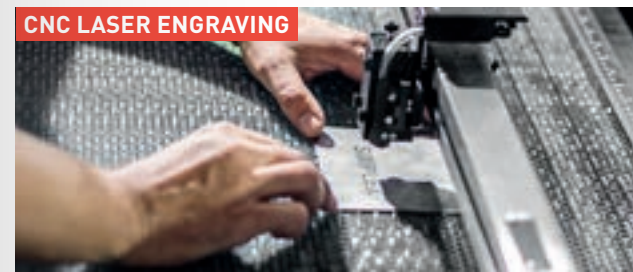
High efficiency through shorter operating cycles without cold spots.



SHOT BLASTING



Large variety of abrasive media for different requirements to clean, strengthen (peen) or polish the metal.



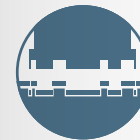
CNC LASER ENGRAVING



Engraving text or pictures on metal, glass, plastic, wood and other materials.



PUNCHING



Wide range of parts with less use of raw material for maximised cost-effectiveness.



STEEL CONSTRUCTION MANUFACTURING



For all requirements concerning steel or aluminum constructions.



Discover the Possibilities!



In our R&D department we calculate, design (3D modeling) and prepare the necessary documentation for all your product requirements regarding steel and aluminum construction manufacturing. We are able to prepare all documentation for your product

certification and to issue all required product certificates, with or without notify body.

Our management system is in accordance with ISO 9001 and ISO 45001.



Laser Cutting

The TruLaser 3040 fiber impresses with its high level of flexibility and cost-effectiveness.



CAPABILITIES

- Fast cutting speed, particularly in thin sheets
- Intricate or small contours cutting even in thick mild steel
- TruDisk enables the processing of non-ferrous metals like copper or brass – without worrying about reflections
- Cuts film-coated sheets
- New fiber technology guarantees the highest edge quality and facilitates part removal
- The TruTops Boost software solution combines all processing steps – from the geometry to the completed NC program. It allows a quick and accurate response on your requirements
- Reduced loading and unloading time using LiftMaster Compact. For a complete loading and unloading cycle, including pallet change, the LiftMaster Compact requires just 90 seconds.

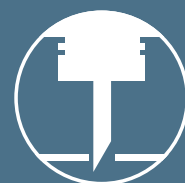
TECHNICAL DATA

Manufacturer	Trumpf
Type	TruLaser 3040
Working range (X/Y/Z axis)	4000/2000/115mm
Mass of piece	1700kg
Position deviation	0,05 mm
Max power	3000 W
Max sheet thickness – mild steel	20 mm
Max sheet thickness – stainless steel	15 mm
Max sheet thickness – Al/Cu	15 mm/8 mm



CNC Cutting

Trumpf Multicut 16-40 is the all-rounder machine for single-part or serial production.



CAPABILITIES

- Distinctive level of automation for maximum efficiency in serial production
- Absolute repetability
- For a wide range of material thicknesses and lengths
- Stable welded design with low-friction guidance for high dimensional accuracy and cutting quality
- Adjustment of the cutting gap via the blade bar
- High number of strokes through optimized paths, settings and processes
- ESC Touch control system with graphic display of functions

TECHNICAL DATA

Manufacturer	Trumpf
Type	MultiCut 16-40
Cutting lenght	4000 mm
Max sheet thickness – mild steel	16 mm
Max sheet thickness – stainless steel	12 mm
Cutting angle	min. 0,5° – max. 2,5°



CNC Laser Engraving

The GCC Spirit GLS Hybrid-80Ti is an upgrade for more engraving, cutting or marking applications on different kind of materials.



CAPABILITIES

- High-end technology allows to have CO₂ & Fiber dual lasers in one system to expand our possibilities from organic materials processing to direct metal engraving
- Extra large working area (960×610 mm) for projects that require a large working space
- A clean high-quality cutting is achieved using the honeycomb table as an ideal tool for laser cutting, especially for small pieces
- The dust and vapor created during laser cutting are eliminated effectively through the honeycomb cell by down vacuum funnel exhaust
- Quality assurance through easy and user friendly preparation of engraving by directly output from familiar designing software like Illustrator, CorelDraw, AutoCad through Windows driver featuring powerful functions

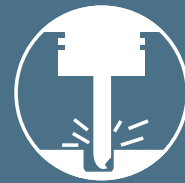
TECHNICAL DATA

Manufacturer	Great Computer Corporation
Type	Spirit GLS Hybrid-80Ti
Laser technology	Dual Fiber + CO ₂
Type of material	Organic and metal
Laser source	20/30/50 W
Working area	965×610 mm
Max part size	990×635×177 mm
Distance accuracy	0,254 mm or 0,1 %



CNC Portal Milling

The Buth BG-CAM Basic1530 ATC is the high-precision portal machine for fine engraving or milling processes.



CAPABILITIES

- By combining the solid steel base with the low bridge passage, the system is very rigid and allows a very high acceleration
- With the BG-CAM machine, materials such as aluminum and other non-ferrous metals, steel, stainless steel, plastics, acrylic glass or wood can be processed effortlessly and quickly
- It is characterized by a very small footprint in relation to the working area which is 1500×3000mm which allow easy manipulation and access to machine

TECHNICAL DATA

Manufacturer	Buth Graviersysteme
Type	BG-CAM – Basic1530 ATC
Category	Portal
Working area	3000×1500×150 mm
Position deviation	≤ 0,05 mm
Number of tools in magazine	6



Bending

The Prima Power enables eco-friendly, fast, accurate and efficient servo-electric bending solutions for maximised cost efficiency.



CAPABILITIES

- High repeating accuracy thanks to O-frame construction, servo-electric drives and sophisticated tooling system
- Prima Electro Open Control – 2D graphical on-line programming and 3D visualization for Auto-Pol off-line programs
- Pulley-belt system actuated by Prima Electro servo-drives distributes the bending force over the whole bending length
- No throat limitations for long parts (typical of C-frame structure)
- Energy efficiency with servo-electric bending which means 50 % lower energy consumption than hydraulic brakes on average
- 30 % shorter cycle

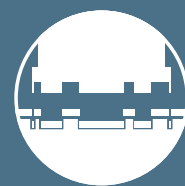
TECHNICAL DATA

Manufacturer	Prima Power
Type	eP-Brake – eP-1336
Press force	105 kN
Thickness Measurement System	Yes
Bending length	3660 mm



Punching

The TruPunch 3000 allows for excellent quality and highly cost-effective products.



CAPABILITIES

- Punching in three dimensions
- Saves material using innovative skeleton-free processing
- Electric punching head and an average power input of 5.6kW for maximized energy efficiency
- Highest level of processing flexibility using 360° tool rotation with Multitool heads and the largest tool range (roller beading tool, MultiCut tool, cup tool, roller offsetting tool, ...)
- High level of automation using The SheetMaster loading and unloading unit
- Using TruTops Boost – software solution for programming punch machine which combines all processing steps (from the geometry to the completed NC program) to respond quickly and accurately to your requirements

TECHNICAL DATA

Manufacturer	Trumpf
Type	TruPunch 3000 S11
Working area	3000 × 1500 mm
Punch force	180 kN
Max sheet thickness	6,4 mm
Max workpiece weight	230 kg
Tool rotation	360°
No. of tools (magazine) single/multi	21/210
Tool changing time single/multi	3/0,3 s
Positioning accuracy	± 0,1 mm



Painting and Drying

Blowtherm World 700 is the newest technology in operational energy saving, and ecological terms.



CAPABILITIES

- Energy saving technology means cost effective production
- Fast response to the set temperature with direct fired gas burner
- Stable temperature control and automatic pressure control
- Reduced electrical peaks and no pressure jumps
- Electromechanical control panel with frequency driven motors which allows an air volume reduction during all those phases where paintwork quality and curing performance are not affected
- High quality illumination provides intense and uniform lighting throughout the cabin with led tubes
- Corrosion safe heat exchanger supplying 4 flue ways
- Paint-stop filter trays for air evenness
- Programs for water base paints, settable by the customer for special coating applications

TECHNICAL DATA

Manufacturer	Blowtherm
Type	World 700
Chamber length	7,00 m
Chamber width	4,00 m
Chamber height	2,80 m
Door width	2,70 m



Shot Blasting

The Shot blasting chamber ensures ideal conditions for perfect surface results.



CAPABILITIES

- Individual requirements for surface preparation are possible
- Prepares all kinds of metal parts and sheets for an even paint coating
- With the Airblast mobile dust collection systems as related equipment with an exhaust capacity of 6000m³/h
- Environmentally friendly filter units – cartridge type, self-cleaning filters and the reuse of the blast.
- Vacuum cleaning systems for a cost-effective production to enable the processing and reuse of used shots

TECHNICAL DATA

Manufacturer	Airblast
Type	PF 6-H
Working area	4000×6000×2500 mm
Working pressure	12 bara
Exhaust capacity (dust collection)	6000m³/h
Material recycling (approx. weight)	95 %
Filter type	Self-cleaning NCF filter
Filter cleaning method	Reverse air pulse



Steel Construction Manufacturing



CAPABILITIES

- With new and high-quality equipment for welding we can offer MIG/MAG and TIG welding processes as well as design and production of variety of steel and aluminum constructions
- Our system is in accordance with ISO 3834 and EN ISO 1090 and certified welders guaranteed fulfill of customer requirements and expectation for steel or aluminum constructions
- Workshop with two ABUS overhead travelling cranes (10T and 2T) and four portal 2T cranes allow us optimal material and product flow with enough load capacity for manufacturing as well as for machines loading/unloading and the use of warehouses

TECHNICAL DATA

Welding	MIG/MAG, TIG, REL Steel, Al
Cranes	Portal, 2 T – 4 pcs Overhead 10 T – 1 pcs Overhead 2 T – 1 pcs
Certificates	ISO 3834 EN ISO 1090



About us

Simplex is a dynamically developing company with over 10 years international experience.

The story of Simplex started in 2008 as the entrepreneurial idea of the Stanić family. Siniša and Ivan Stanić started the company with the upgrading of elevators of all important manufacturers. Their sister Marina Stanić Pavlović has been in the team since the very beginning and has given contribution to the most demanding start-up years.

Starting as a small family business, Simplex has grown to a company with over 100 employees and has become synonymous for quality and expertise in the elevator industry.

Today, the world's largest manufacturers of elevators such as ThyssenKrupp, Otis, Schindler or Kone but also other manufacturers like EMCH, Lutz or Tepper are company's clients for which Simplex installs elevators at construction sites across Europe.

Contact

Every project is different.
Tell us about yours and we make it possible!

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