

ALPRON

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COMPANY ORGANIZATION : Limited Liability Company (Ltd)
YEAR OF FOUNDATION : 1978.
MANAGEMENT / CO-OWNER'S : KREŠO ŠTEFANČIĆ, Eng. MSc and MAURO ŠTEFANČIĆ, Eng. MSc

ALPRON has been established close to 40 years ago, by Mr. Nikola Štefančić, and has been dealing successfully as manufacturer in metal industry. For a long term of years, Alpron has been mostly oriented towards manufacturing for the domestic shipbuilding industry (metal furniture). During the last 15 years, as the highly educated management (with engineering background) has been introduced, it has changed its business strategy significantly turning from unstable local market towards more demanding export markets in the EU. During the same period, the number of employees has raised significantly, and the company employs close to 50 employees today.

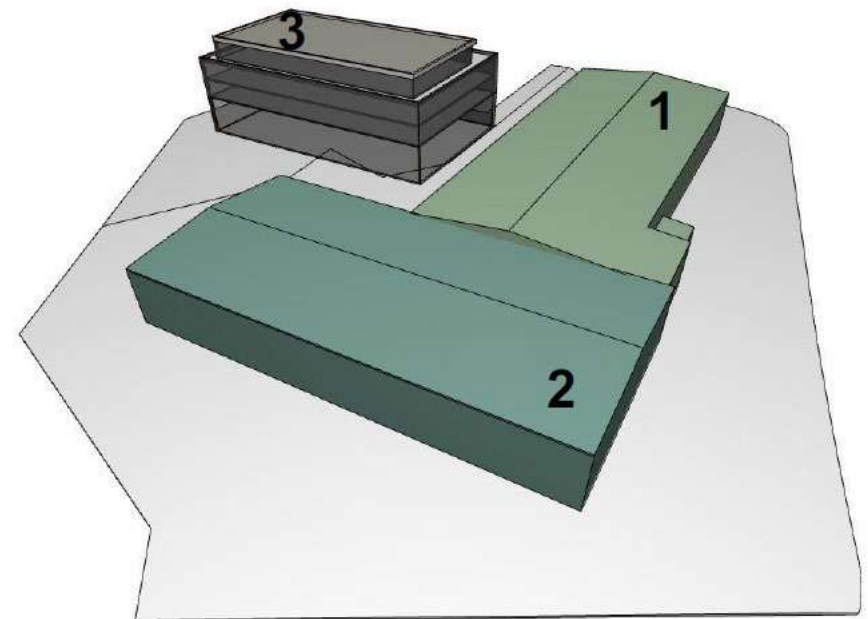
Today, Alpron is modern and flexible mechanical engineering and export-oriented company, with 90% of turnover on EU market. Most of the exports is realized in France, Austria, Italy and Germany.

Alpron shows the continuity of investment in the fixed assets, in the period from 2001 – 2020, which insures a wide range of new business possibilities and growth potential:

- up to 2007 was purchased machines and other equipment in the approximately value of 0,5 mil. €.
- from 2007 – 2011 Alpron invested in a land and building of a new production facility, as much as through introducing a new ESP electrostatic powder system plant, in the approximately value of 2,0 mil. €.

On a 10.000 m² of land (in the industrial zone RZ6, with all necessary permits), is finished the Phase 1 with built production facility of 2.000 m². By the increasing business demands, is possible to fast extend the Phase 2 (production / assembly facility of 2.500 m²) and Phase 3 (storage / logistic facility of 3.500 m²).

- from 2013 – 2020 was purchased new technologically advanced CNC bending machines AMADA and laser punching machines TRUMPF, in the approximately value of 0,5 mil. €.



Through continuous investment in manufacturing facility by purchasing modern and technologically advanced machines and software solutions, Alpron move the boundaries from the competition by quality and market demands.

Due to respectable, modern machinery park supported by the CAD/CAM technology, a great flexibility in 'on-demand' manufacturing is possible (projecting and manufacturing according to complex demands of the consumers in small and medium serials with short delivery deadlines).



Furthermore, respectable capacity and reliability of the crucial CNC sheet metal machinery (TRUMPF and AMADA), allows big volume manufacturing, in the three shifts (currently up to 50 tons per week). ESP electrostatic powder system plant is capable to process up to 150.000 m² of painted products per year.

That is why Alpron successfully manages to produce for consignees from technologically highly developed industries (for example: automotive industry, medical industry, food & beverage industry, telecommunications, etc), and has placed itself as a confident partner in the 'sheet metal' industry.

Our strength and quality lie in our young and perspective R&D team, long experience, along with the qualifications and creativity of our employees.

Alpron engineers are CSWP certificated for 3D CAD system for construction and design SOLIDWORKS.



Alpron is certified in accordance with ISO 9001:2015, certified by SGS certificate no. HR12 / 0805, since 2009, and IATF 16949:2016, certified by SGS certificate no. HU14 / 7188 since 2013.

Our main scope:

- Product design and engineering
- Flexible sheet metal processing, production of metal parts, enclosures and structures
- Electrostatic powder coating
- Logistic capabilities with **just in time** and **Kanban** deliveries



PRODUCTION POSSIBILITIES

The core of the production facility are TRUMPF CNC machines for punching, nibbling and forming of sheet metal and the AMADA CNC press brakes with 8 axis. All machines are connected with a DNC link to the CAD/CAM system for programming and simulation (automatic tool recognition, auto unfolding, and true nesting). Graphic output, 3D working environment in today's high-end software applications ensures us that a job is done perfectly.



OPERATIONS

CNC CUTTING	max. thickness 8 mm L = 3000 mm
CNC PUNCHING	max. thickness 8 mm max. working range 3×1,5 m
CNC BENDING	max. tonnage 100 kN L = 3000 mm

WELDING	
SPOT WELDING	3 working places
WIG, MIG, MAG WELDING	10 working places
STUD WELDING	2 working place

HAND WORKS	
Grinding, Deburring, Thread cutting, Drilling	10 working places

ASSEMBLY	
Mechanical assembly	6 working places



MACHINE LIST

CNC CUTTING	LENGTH	THICKNESS	
		St / Al	STAINLESS STEEL
AMADA PROMECAM GS 630	3 m	6,0 / 8,0 mm	4,0 mm

CNC PUNCHING / LASER	WORKING RANGE	THICKNESS	
		St / Al	STAINLESS STEEL
TRUMPF TC6000L	240 kN; 2,5 × 1,25 m	8,0 mm	4,0 mm
TRUMPF TC2020R	180 kN; 2,5 × 1,25 m	6,2 mm	4,0 mm
TRUMPF TC2000R	180 kN; 2,5 × 1,25 m	6,2 mm	4,0 mm
TRUMPF TC500R	240 kN; 3,0 × 1,5 m	8,0 mm	4,0 mm
TRUMPF TC260R	240 kN; 2,5 × 1,25 m	8,0 mm	4,0 mm
TRUMPF TC100	150 kN; 0,75 × 0,75 m	4,0 mm	2,0 mm

CNC BENDING	LENGTH	TONNAGE
AMADA HD 1003	3,0 m	1000 kN
AMADA HFE M2 80-25 S	2,5 m	800 kN
AMADA HFE M2 50-20 S	2,0 m	500 kN

ROUNDING	LENGTH	ROLL DIAMETER
IMCAR TSIH 3/1	1 m	135 mm
RAS 40.10	1 m	56 mm

HARDWARE INSERTION	TONNAGE
HAEGER 618 Plus	72 kN

CNC SWAGING
RAS 12.35

POWDER COATING SYSTEM - EUROIMPIANTI / MS Oberflächentechnik / GEMA

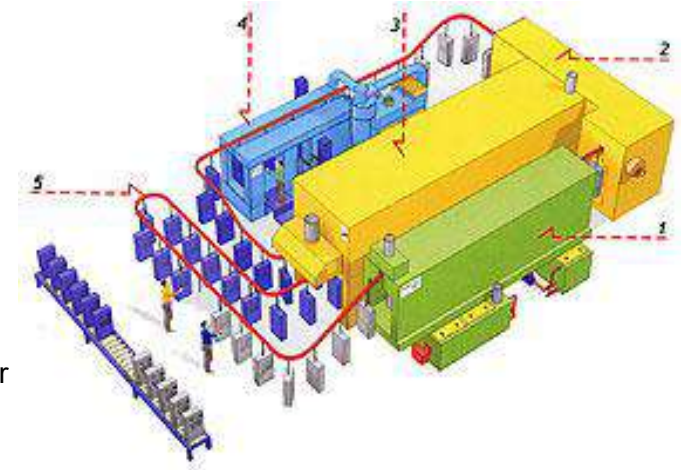
	MAX. PASS THROUGH
Various RAL color shades / Textures	1000 (width)×1700 (high)×3500 (length)



Powder coating system can carry out production with conveyor speed of 1-3 m/min, up to 150.000 m² per year.

Pretreatment phase consists of phospho-degreasing, washing and rinsing. It's provided by waterfall counter-flow system for a perfect surface quality.

The powder in required RAL is applied in the MS quick color changeover powder coating spray booth.



The bell oven with **U** route adopts the heating system with indirect air exchange. The recirculation ventilation system distributed along the whole oven length assures a perfect distribution of polymerization temperatures along the whole route

This way, the product is in compliance with the standards in force at present:

- Mechanical resistance according to the standards DIN 53151, DIN 53153, DIN 53156.
- Corrosion tests according to the standards ASTM B117 61, DIN 50017, DIN 50018.



PRODUCTION PROGRAM / own products



Production of sheet metal products and complexes for industrial electronics



The extended gamma of silenced enclosures for various diesel gensets makes this product one of our standard



Production of metal furniture and equipment

PRODUCTION PROGRAM / product design & manufacturing



PRODUCTION PROGRAM / product engineering & manufacturing



The extended gamma of automatic box tippers



The extended gamma of lifting tables for printing industry



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