

*Best **BS** Steel*



COMPANY PRESENTATION

ABOUT US

BestSteel is a family-owned company with experience in metal processing. The company was founded in 2006, and its founders gained knowledge and experience in various companies specializing in the production of metal components and tools for the automotive, energetics, and logistics sectors.



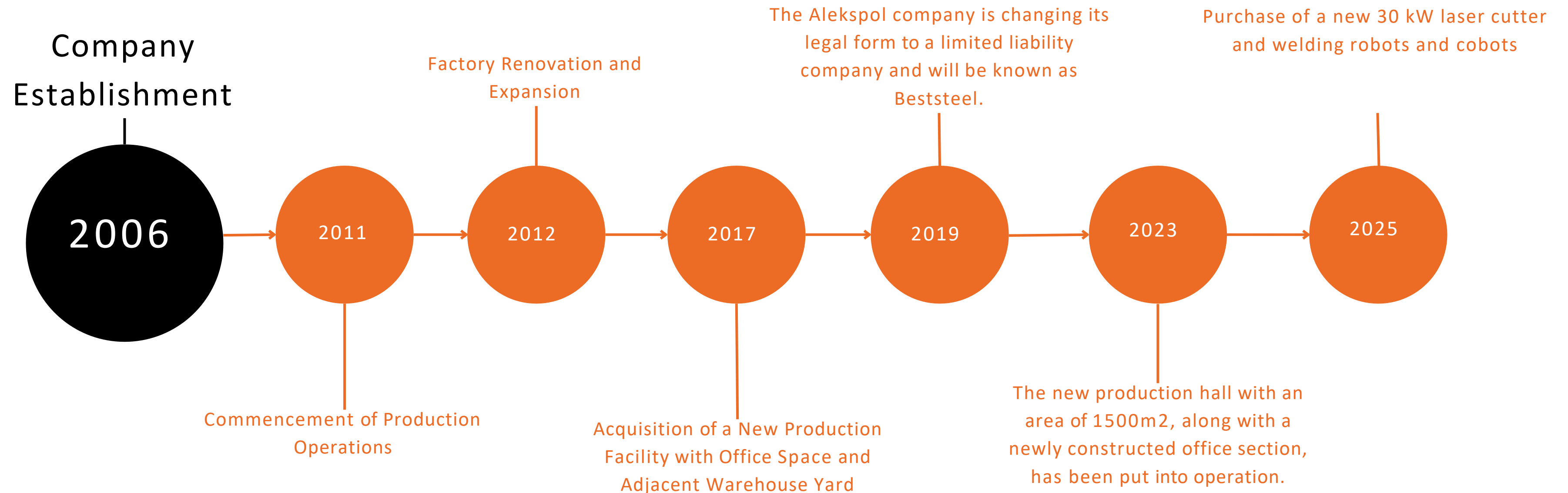
We employ 70 highly skilled employees.
We have our own design office and an
extensive machinery park.

Our priority is high-quality products and
customer satisfaction, as our customers are
the most important to us.

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Continuous development

We strive for ongoing advancements in production technology and continuously enhance our skills to meet the market demands and exceed our customers' expectations.



Range of services



- DESIGNING
- LASER CUTTING
- FLAME CUTTING
- SHEET METAL BENDING
- WELDING
- CNC MACHINING
- BLASTING TREATMENT
- PAINTING
- ASSEMBLY AND PACKAGING

Technological capabilities

Design

In our company, the design service enables us to create comprehensive solutions customized to meet individual customer needs.

Thanks to the use of the latest technologies and the experience of our specialists, we are able to design details, elements or entire structures that meet the requirements for functionality, durability and aesthetics.

Our design offer includes both prototype designs and production in larger series, which allows us to meet the needs of customers from various industries.

 **SOLIDWORKS**
PROFESSIONAL



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Innovative company management system

For many years, the company has been using the Monitor G4 system, which was implemented in 2017. In 2022, we decided to upgrade to the G5 version to adapt to modern, digital information flow and integrate machines and the ERP system.

In our company, we constantly strive for technological development and introduce new solutions. Therefore, we were not afraid to take on the challenge and decided to upgrade to the latest version of the system.

The Monitor system allows for comprehensive planning, timely execution, quality control, and production settlement. It enables us to effectively eliminate execution errors in the production process.

monitor | G5



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Technological capabilities

LASER CUTTING

AMADA ENSIS-AJ 6KW, operating on fiber technology with interchangeable tables measuring 2x4m

Maximum material thickness:

Mild steel - 25mm

Stainless steel - 25mm

Aluminum - 25mm

Brass - 15mm

Copper - 12mm



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Technological capabilities

LASER CUTTING

30 KW fiber laser with a 3D head and interchangeable tables measuring 2000x6000 mm

Maximum material thickness:

Mild steel - 60mm

Stainless steel - 60mm

Aluminum - 35mm

Copper - 30mm



Technological capabilities

FLAME CUTTING

ECKERT SZAFIR, machine enables us to cut sheets up to a thickness of 200mm while ensuring excellent edge quality.

Thickness range: 25-200 mm

Working table dimensions: 2000x8000mm



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Technological capabilities

SHEET METAL BENDING

We use a Durma ADS 40400 machine for sheet metal bending, featuring a 4.1m table length and a maximum press force of 400T.

- CYBELEC CNC control
- 2-axis backgauge
- Adjustable supports for thick sheets with a maximum load of 200T/m
- Standard tools for thin sheets

DURMA



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Technological capabilities

WELDING

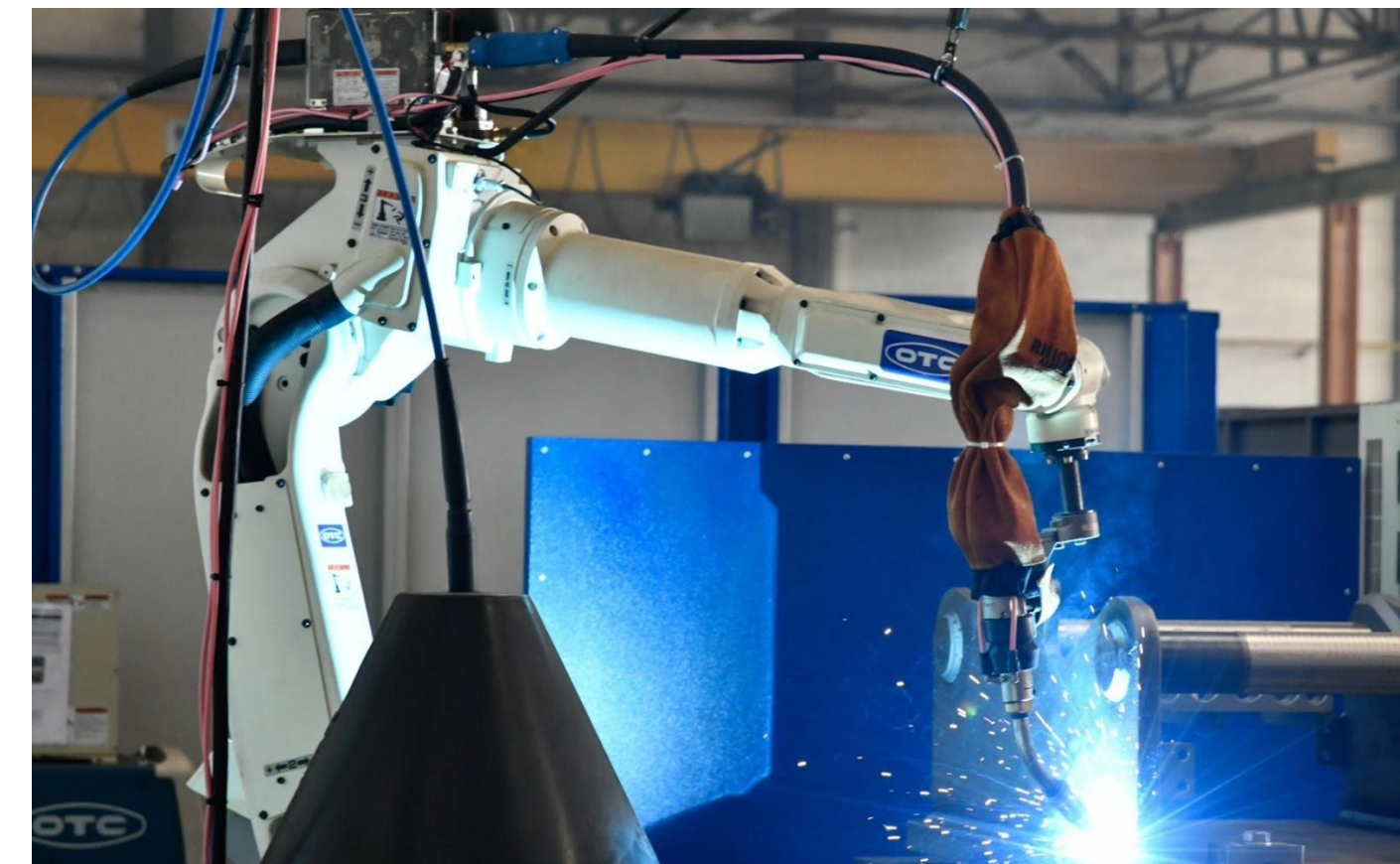
Welding has been the core activity of our company since its inception, which has been officially acknowledged with the ISO 3834-2 certification granted by TÜV Rheinland.

Our workshop is equipped with twelve manually operated welding stations and two robotic welding stations.

Through offline programming using DELFOI ROBOTICS CAM software, we are capable of reducing the welding implementation time for a component by 80% compared to online programming.



DELFOI ROBOTICS



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Technological capabilities

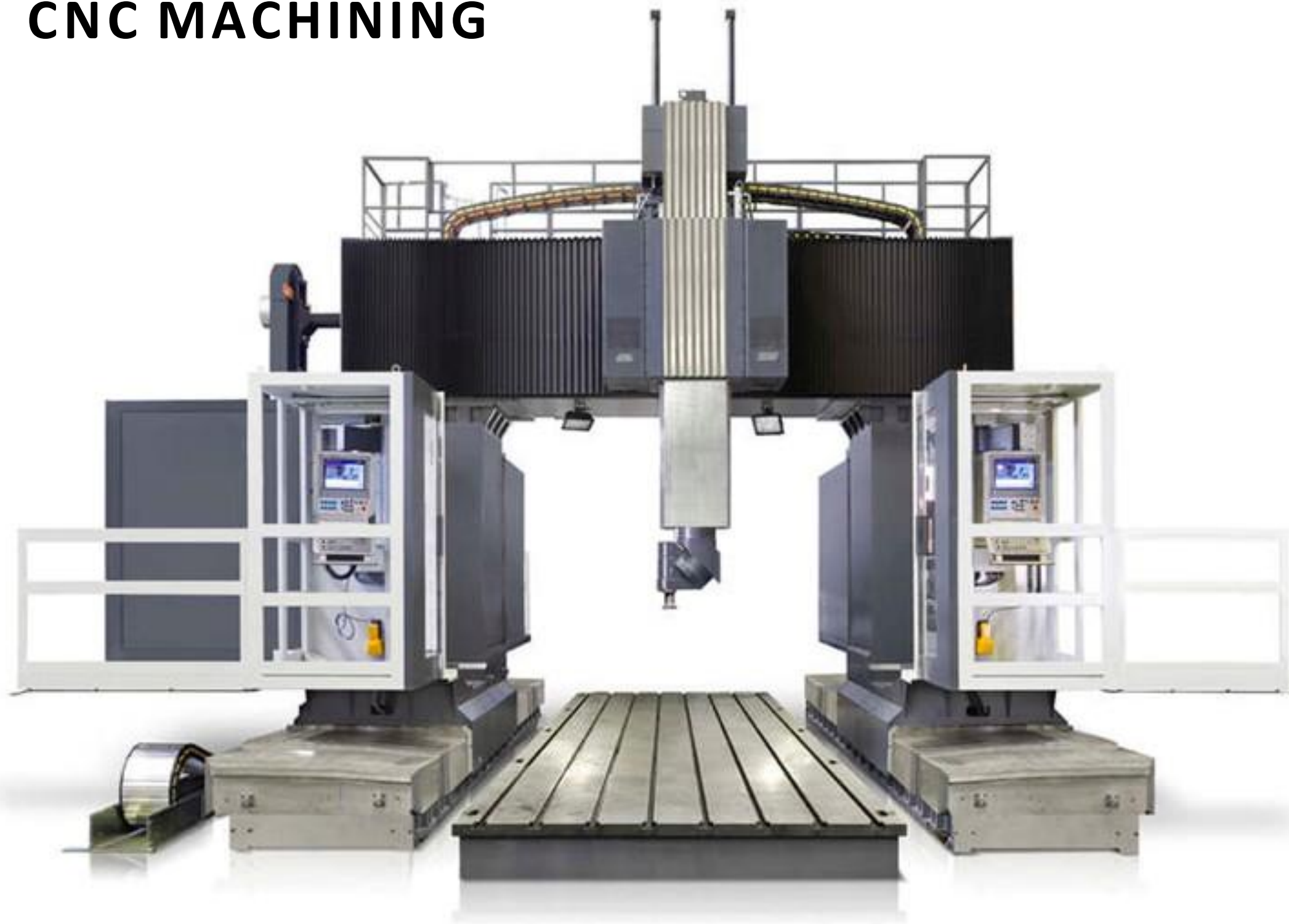
CNC MACHINING

We specialize in metal processing using CNC technology. Our offering encompasses two primary processes: CNC milling and CNC turning. We collaborate with clients from various industrial sectors, delivering precise production of metal parts through state-of-the-art numerically controlled machines. Our CNC services maintain an exceptional level of quality, thanks to our extensive experience in the machining industry. We possess a versatile machine park equipped with machining centers from the renowned Spanish brand Nicolas Correa, which is a leading supplier of machines for the energy, defense, and shipbuilding sectors.



Technological capabilities

CNC MACHINING



CORREA

NICOLAS CORREA FOX M

Gantry-type machining center equipped with 5 axes: X, Y, Z, C, and B. The X, Y, and Z axes facilitate linear motion, while the C and B axes enable rotational movement of the head. This configuration allows the machine to perform intricate operations, including multi-axis machining, enabling the shaping of multiple surfaces in a single setup.

The maximum dimensions of the workpiece are:
X - 9500mm Y - 2500mm Z - 1750mm

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Technological capabilities

CNC MACHINING



CORREA

NICOLAS CORREA NORMA25

A machining center renowned for its exceptional precision. It features a rotary table, allowing for five-axis machining of the workpiece. The Y and Z axes control the movement of the headstock arm, while the A and B axes enable rotational movement of the headstock. The C axis is responsible for table rotation, while the X axis governs table movement.

The maximum dimensions of the workpiece are:
X - 2500mm Y - 1250mm Z - 1400mm

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Technological capabilities

CNC MACHINING

CORREA

NICOLAS CORREA XPERTA35

This machining center is renowned for its high precision, allowing for four-axis machining of the workpiece. The movement of the headstock arm is controlled by the Y and Z axes, while the X axis is responsible for the movement of the movable table. The rotation of the headstock is regulated by the A and B axes.

The maximum dimensions of the workpiece are:
X - 3500mm Y - 1000mm Z - 1000mm



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Technological capabilities

CNC MACHINING



DOOSAN

DOOSAN PUMA 4100 LMB

An advanced horizontal lathe is an industrial machine used for machining complex-shaped components. The utilization of an advanced lathe contributes to increased productivity in manufacturing processes and the attainment of high-quality products.

The maximum dimensions of the workpiece are:
ø - 560mm | - 2050mm

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Technological capabilities

CNC MACHINING



DOOSAN

DOOSAN PUMA 2600 LY

A highly advanced lathe that enables precise machining of complex-shaped components. It also features the Y-axis function, allowing for precise milling, drilling, and threading operations.

The maximum dimensions of the workpiece are:
ø - 406mm L - 1000mm

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Technological capabilities

CNC MACHINING



DOOSAN

DOOSAN MYNX 6500

A high-class vertical machining center designed for complex machining operations. It features a robust construction and a range of advanced functions that enable precise material processing.

The maximum dimensions of the workpiece are:
X - 1500mm Y - 500mm Z - 400mm

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Technological capabilities

Remaining machines



CNC DMU 80T
X-800 Y-700 Z-1000mm



Lathe 560/1500 Viber-System 5615



Milling machine
UWF 150 SERWO 1600x360



Saw PEGAS 300x320 GH-LR

Technological capabilities

BLASTING TREATMENT AND PAINTING

Our range of services is complemented by abrasive blasting and painting, where Best Steel maintains the highest standards of quality.

We perform spray painting in a dedicated painting section equipped with an exhaust system with a capacity of 16,000m³/h.

We also have a manual blasting booth (booth size: 3.5m x 6m, height: 4m) as well as an automatic blasting booth (diameter: 2m, height: 2m).



Technological capabilities

ASSEMBLY AND PACKAGING

We have a dedicated area that provides suitable conditions for the assembly of finished products, not only made of metal. We offer assembly services for products that consist of both metal and other materials, such as plastics, as well as electrical, hydraulic, and pneumatic components. Once assembled, the products are packaged according to the customer's needs and requirements. Upon customer request, we also perform commissioning tests and assembly with a functional test to ensure proper operation, providing comprehensive documentation of the commissioning process.



Certificate

We have obtained the ISO 3834-2 certificate issued by TÜV Rheinland, confirming that our company diligently ensures the quality of our products. We have implemented quality control at every stage of production to ensure that each manufactured item meets the highest quality standards. Our quality control personnel constantly seek new ways to improve production processes, aiming for even better results and increased customer satisfaction.

Number: 12.7-M5-0034792
Revision: 6

Certificate

Inspection of welding process

Certificate No.	01 8610 PL/A-240188.00
Name and address of the manufacturer	Best Steel Poland Sp. z o.o. Porążyn 68A 64-330 Opalenica Poland
Specification(s)	EN ISO 3834-2:2021
Test report No.	3834/84978774/2024
Certification scope	Inspection of welding processes according to EN ISO 3834-2
Manufacturing plant	Porążyn 68A; 64-330 Opalenica
Period of validity	14.09.2024 - 13.09.2029

Zabrze, 13.09.2024

Leszek Zadroga
Certification Body

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Contact



mariusz@beststeel.pl



+48 509 567 143



Porążyn 68A
64-330 Opalenica



beststeel.pl

