

# blau Stahl

## MORE THAN STEEL

We are capable of delivering the finest grades of tool steel along with Value Added Services for tool frames. We can deliver complex machined plates and complete tool structures/frames.

### WHAT WE OFFER



#### SPECIAL STEELS

We can deliver top-grade steels for every project's needs. The certified quality has been the driving force of our company.



#### MACHINING

A full range of services to improve our customers' capacity. We are capable of Milling, Drilling, and Grinding in one shop floor.



#### FULL SUPPORT

Backed by a permanent consulting service and guided by a quality management system we can offer the best support for your projects.



Eco Parque Emp. Estarreja  
R. de Beduido 10 Lt. 7  
3860-529 Estarreja



Rua 23 de Outubro, nº 2  
2445-583 Moita  
Marinha Grande

# OUR PRODUCTS

Some of our main grades for the moulding industry

Brand	Standard			Delivery Condition	Hardness (HB MAX.)	Main Applications
	W.Nr.º	AISI	EN/UNE/DIN			
<b>b1730</b>	1.1191 1.1730	1045	C 45 E / C 45 U F-1140 Ck 45	NATURAL	207	Mould bases / holder steel for the plastic moulding industry.
<b>b2311</b>	1.2311	P20	40 CrMnMo7	PRE-HARDENED	270/325	
<b>b2312</b>	1.2312	~P20+S	40 CrMnMoS8-6	PRE-HARDENED	270/325	
<b>b2738mod</b>	1.2738 mod	~P20+Ni	40 CrMnNiMo 8-6-4 F-5303 40 CrMnNiMo	PRE-HARDENED	290/330	Plastic Injection moulds with improved machinability and weldability when compared to standard 1.2738 grades.
<b>b2738mod HH</b>	1.2738 mod	~P20+Ni		PRE-HARDENED	320/360	Plastic Injection moulds with improved machinability and weldability when compared to 1.2738 grades. Higher hardness increases abrasive wear resistance.
<b>b2711mod</b>	1.2711 mod			PRE-HARDENED	350/400	Plastic Injection moulds with higher need for wear resistance. Improved polishability and texturing.
<b>b2738 X HH</b>	1.2738 mod			PRE-HARDENED	320/355	Plastic Injection moulds with higher thermal conductivity and improved hardenability, even for large cross-sections. Excellent weldability, polishability and texturing.
<b>b2738 X SHH</b>	1.2738 mod			PRE-HARDENED	355/401	
<b>b2714</b>	1.2714	L6	55 NiCrMoV7 F-5307 56 NiCrMoV 7	PRE-HARDENED	370/415	Hot work tool steel, for forging applications and holders for extrusion business.
<b>b2316</b>	1.2316		X36CrMo17	PRE-HARDENED	≈ 300 HB	Chrome-molybdenum steel: improved corrosion resistance for Plastics. For tools for processing chemically aggressive plastic such as PVC. Plastic Extrusion.

We have a wide range of other grades for every application in the industry (1.2343, 1.2344, 1.2083, 1.2316 and 1.2379, among others) including all the references from our represented:

## Buderus | Edelstahl



Steel



Cutting Technology



Machining



Logistics



Technical Support



Laboratory



Heat Treatment



Oxy-cut



# OUR SERVICES



FACE  
MILLING



FLAT  
GRINDING



DEEP HOLE  
DRILLING



MOULD BASE  
ASSEMBLY



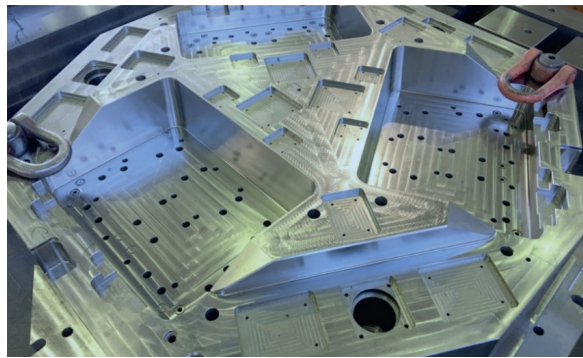
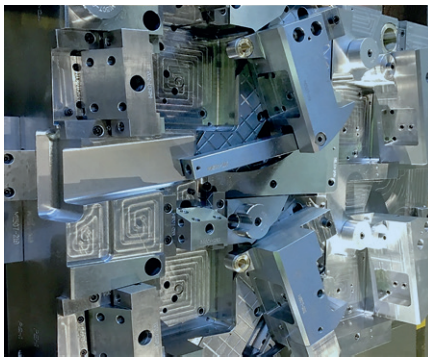
ROUGH  
MILLING



PRE-FINISHING



FINISHING



# OUR CAPACITY

SERVICES	Machines	Max. Dimensions	Max. Weight
6 Face Milling	22	3700x2000x1000	50 ton
Rough milling	12	3600x2100x700	25 ton
Deep Hole Drilling	6	3000x2000x2200	30 ton
Flat Grinding	9	3500x1750	10 ton
Pre-Finishing	4	3750x2340x1200	25 ton
Finishing 3+2 Axis	5	6000x1250x1700	25 ton
Finishing 5 Axis	2	4500x3500x1500	25 ton
Finishing 3 Axis	3	3000x1600x730	10 ton