

WELCOME

We are a system supplier to the automotive & metal industry and have 25 years of experience in the production of series, in prototype and tool design. We manufacture structural components, assemblies and prototypes for motorsport, for special vehicles and vehicles from the premium segment and for the metal industry.

As a system supplier, our various sheet metal processing methods enable us to manufacture complex components and assemble them into assemblies. As a result, we reduce manufacturing costs by unnecessary logistics costs and can offer a good price / performance ratio.





JINHONG AUTOPARTS GROUP

ProTec Metalltechnik GmbH has been part of the Jinhong Autoparts Group production network since September 2019.

The Jinhong Autoparts Group was founded in Jilin City in 2005 and today more than 900 emploees are working at 7 locations in China. The core competencies of the group include the design of stamping and forming tools and the production of structural body parts, the production of injection molded parts and electronic components for the automotive industry.



BENDING





With the TruBend Cell 7000, we have one of the fastest bending robots in the world. In particular, we can manufacture parts up to 500 x 380 mm very efficiently with the dynamic drive concept, the automatic set-up of the tools and the automatic loading of blanks.



3D LASER CUTTING

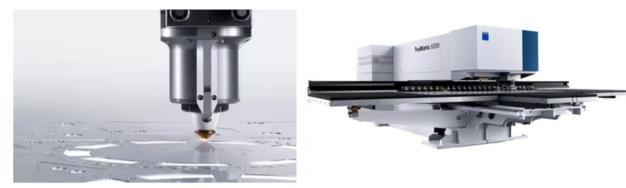




We are perfectly equipped with our TruLaser Cell 7040 regardless of whether we process two- or three-dimensional components for you. The modular structure of the machine and the possibility of individual adaptation allow us to adapt to a changing production environment and to react flexibly to your requirements.



LASER- PUNCH COMBINATION



Our TruMatic combines the punching and laser processing of your components and offers a wide range of processing for components with complex geometries. Standard contours, deformations and threads are produced with the punching head and filigree outer and inner contours with the laser.



PRESSING / DEEP DRAWING





For the production of prototypes and small series, we have deep drawing presses from 100 to 300 tons. We ensure the production of large series in one of our pressing plants in China. Here we have transfer presses and presses with decoiling systems from 100 to 1,280 tons.



MECHANICAL JOINING



The joining technology includes elements that allow the workpiece to be fixed in the assembly. We press the necessary components for this, from nuts and bolts to pins. Our processes range from dotting to pressing in to riveting components. You receive a ready-to-assemble product that fits seamlessly into your production chain.



Welding

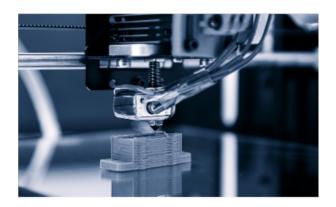




In our assembly area, we weld assemblies using different processes such as MIG, MAG and TIG. Our employees are well trained for this. As a certified company, we meet all the requirements for welding steel and aluminum components.



3D PRINTING





For 3D printing in prototype construction and in small series, we use the Inkject technology from Keyance so that you get the best possible result. This process enables high flexibility with low wall thickness, stable components due to high strength and long durability and dimensional stability.



COMPONENTS (EXAMPLES)









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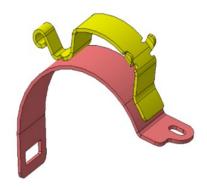


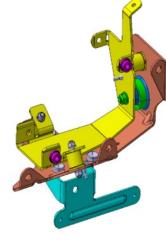


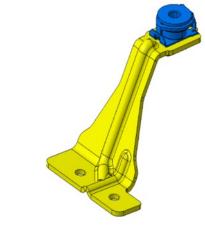


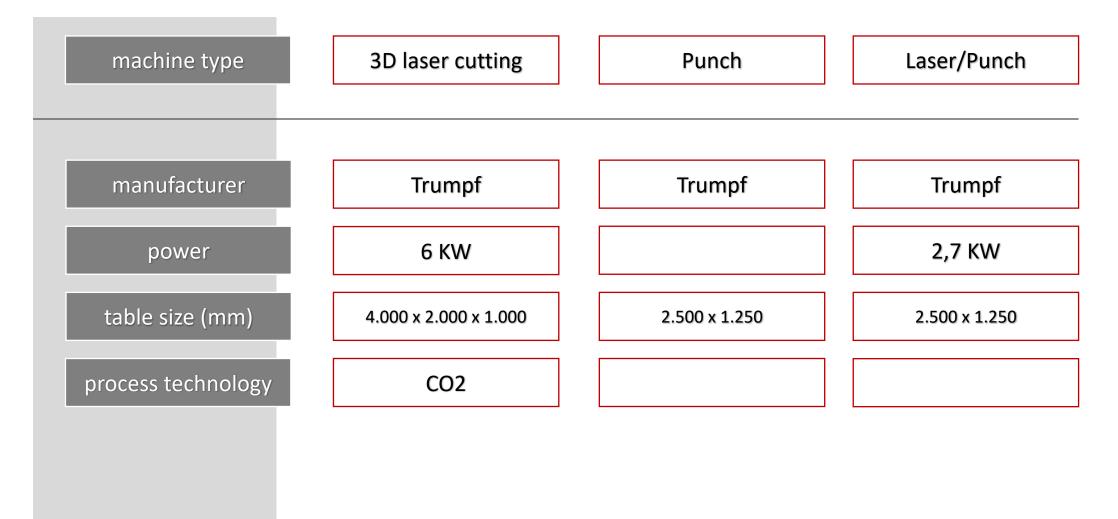


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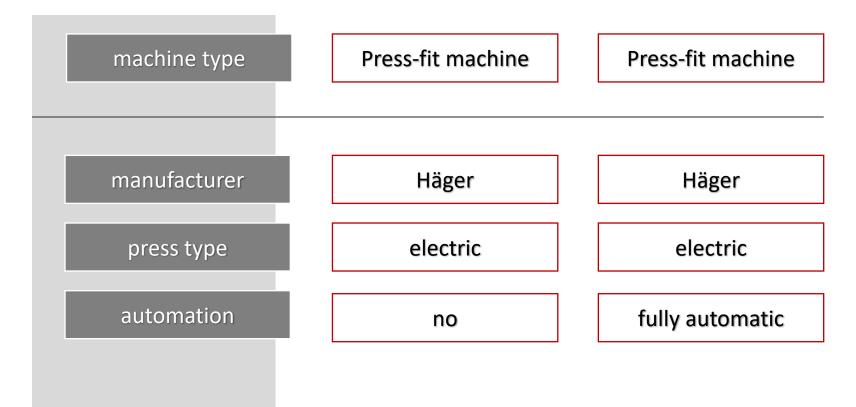


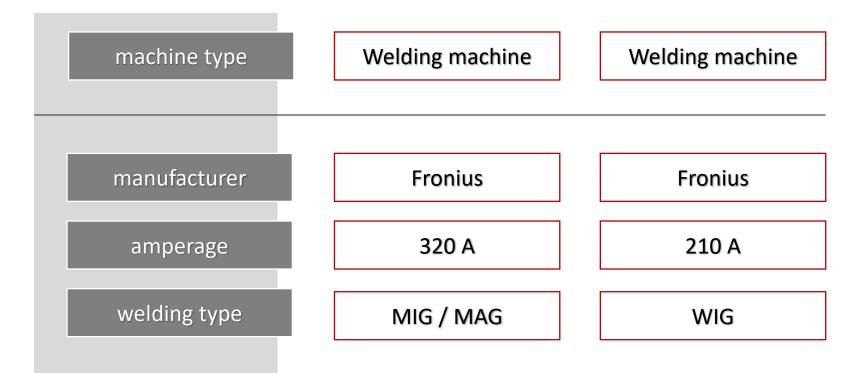


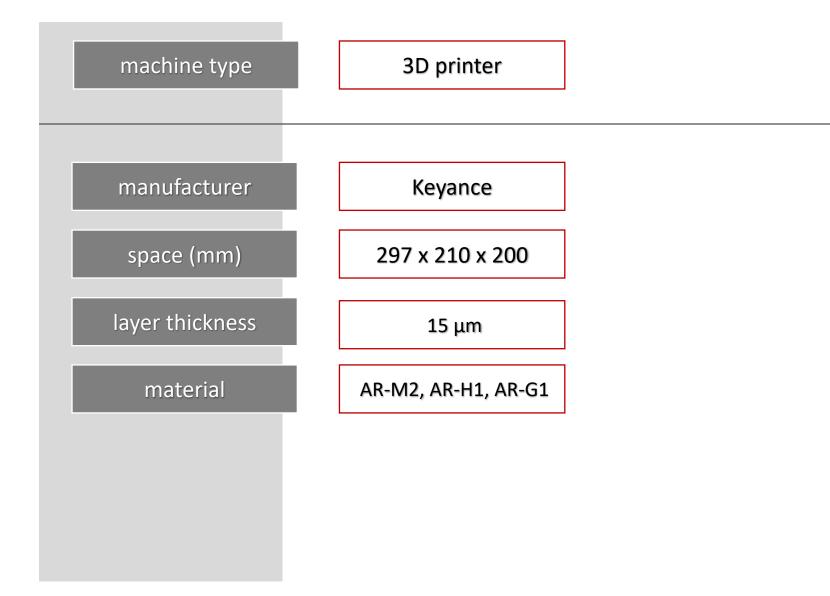


machine type	Press	Press	Press
manufacturer	Schön	Müller	Müller
pressing force	300 To.	100 To.	100 To.
table size (mm)	1.200 x 1.200	800 x 700	
press type	hydraulically	hydraulically	hydraulically

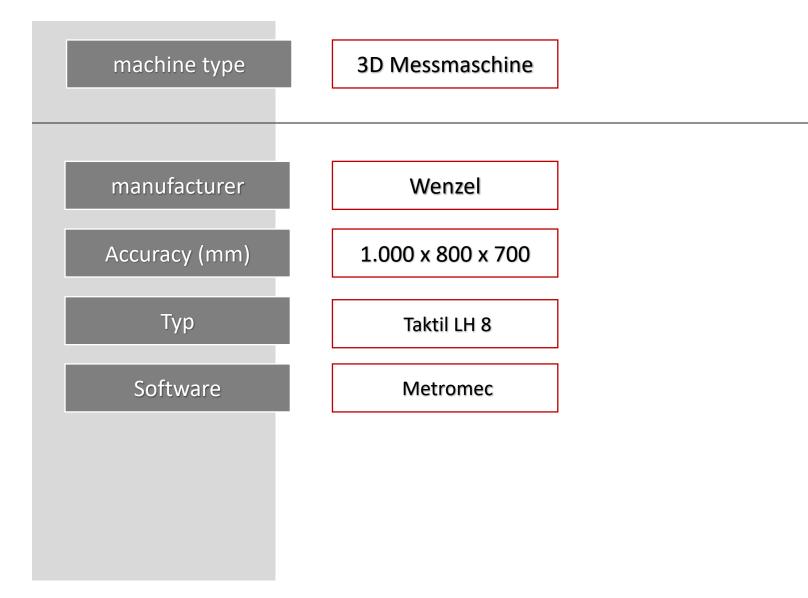
machine type	Bending machine	Bending machine	Bending machine	Bending robot
manufacturer	Trumpf	Trumpf	Trumpf	Trumpf
pressing force	50 to.	85 to.	130 to.	36 to.
bending length (mm)	1.300	2.400	3.100	500
press type	hydraulically	hydraulically	hydraulically	electric
automation	no	no	no	fully automatic



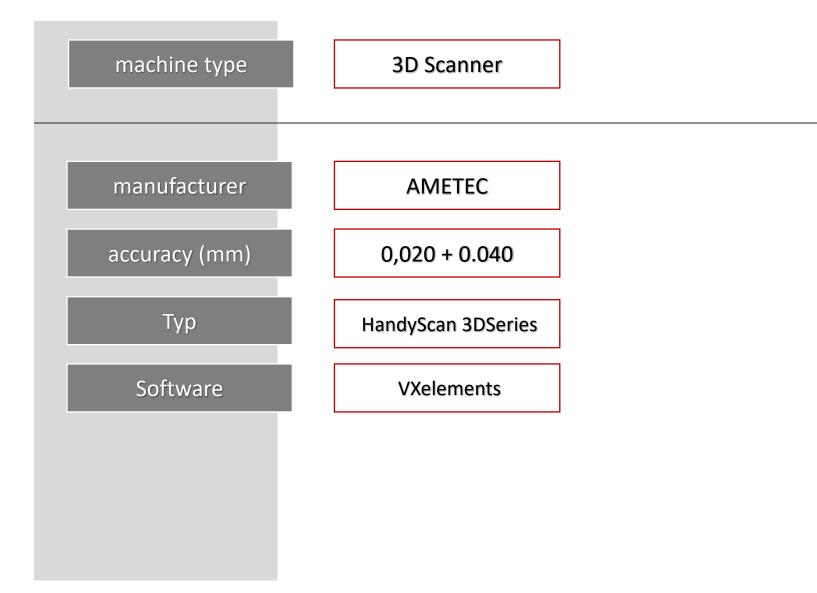




MACHINE POOL (Quality Control)



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QUALITY

The value of a component is not only created through its manufacture. Checking whether all specifications are within the defined tolerance range is an essential part of its quality. To ensure this, all parts are checked and monitored in our QA department using a 3D measuring machine, measuring equipment or test gauges.

Konformitätsbestätigung EuroNis	ZERTIFIKAT		
EuroNis GmbH bescheinigt, dass das Unternehmen:	EuroNis GmöH bescheinigt, dass das Unternehmen:		
ProTec Metalltechnik GmbH Spreestr.1 9 82538 Geretsried	ProTec Metalitechnik GmbH Spreestr.1 9 82538 Geretsried		
für den Geltungsbereich:	für den Geitungsbereich:		
Herstellung und internationaler Vertrieb von Produkten für die Mobilitätsindustrie und alternative Energiesysteme	Herstellung und internationaler Vertrieb von Produkten für die Mobilitätsindustrie und alternative Energiesysteme		
ein	ein		
Qualitätsmanagementsystem	Qualitätsmanagementsystem		
eingeführt hat und anwendet.	eingeführt hat und anwendet.		
Das Audit der EuroNa erbrachte den Nachweis, dass das Qualitäternangementsystem die Forderungen der folgenden Nerm erfüllt	Das Audit der EuroNie erbrachte den Nachweis, dass das Qualitännangementsystem die Förderungen der folgenden Norm erfüllt		
IATF 16949:2016	DIN EN ISO 9001:2015		
(Audithericht Nr. D022/2021)	(Auditbericht Nr. D022/2021)		
(Austrammer Nr. 5002/2021) Diese Bescheinigung D022/Q	Disses Zetifikat, Nr. 049/D022/Q ist gültig bis zum 26. Juni 2024		
ist gültig bis zum 26. Juni 2024	Geesthacht, den 01.07.2021		
Geesthacht, den 26.07.2021			
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h. 19	Horst-Martin Hoffman		
Horst-Martin Hoffmann Leitung EuroNis	Leitung EuroNis		
	EuroNis GmbH • Tannenweg 30a • 21502 Geesthacht		



Serienfertigung Prototypenbau Werkzeugbau

CONTACT PERSON



Helmut Seitz

Account Manager

- ***** +49 1520 9372376
- helmut.seitz@protec-metall.com

ProTec Metalltechnik GmbH Spreestraße 19 D- 82538 Geretsried

- 🖀 +49 8171 93330
- info@protec-metall.com



www.protec-metall.com