



Engine Parts Production



Development and Production

The tradition of engine production in TEDOM's Jablonec plant dates back to 1953. Since 2003, our focus has been on producing engines for special applications such as gas engines for use in the energy sector, railway applications, and the oil & gas segment.



Development and production



Engines for cogeneration



Quality and long service life

Engines of our own brand

For TEDOM engines, we produce majority of components in-house

Further production

We produce also parts for other well-known engine brands:





Quality and Flexibility

In addition to many years of experience and high-quality production machinery, we also have state-of-the-art quality control systems in place. This all guarantees the highest quality and stability throughout the production process.

Modern Quality Measuring Tools

Two 3D measuring machines

- └ Wenzel LH 1210
- └ Wenzel LH 108

Conturoscope

- └ Mahr - MarSurf XC 20

Non-destructive inspection of surface cracks

- └ Unimag 1500 NDT

Flexibility is Our Main Advantage

We are able to offer high-quality, cost-effective production, even for medium or small-series runs.

Our Products

We specialize in machining more complex engine parts, such as cylinder heads, engine blocks, covers, and housings. We also manufacture rotating parts, including flywheels, pulleys, hubs and shafts. We are equipped for crankshaft grinding and balancing. We can provide machining services also from many other complex parts.



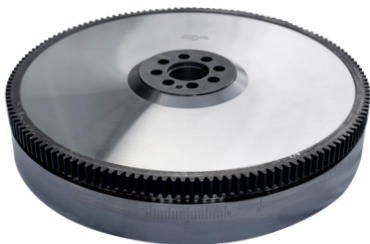
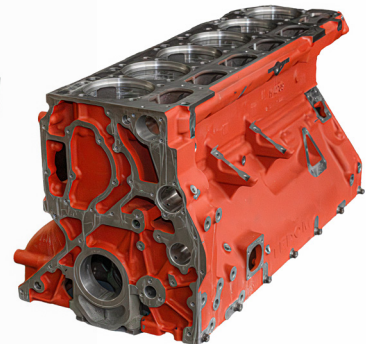
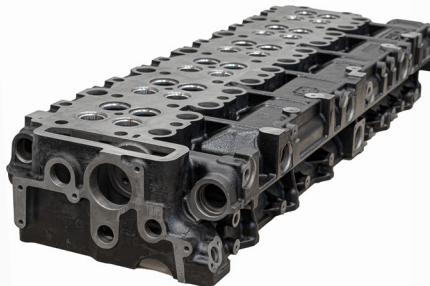
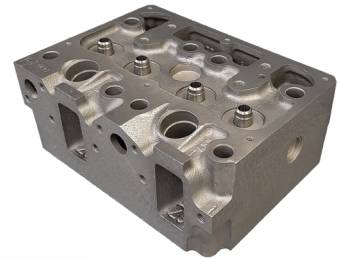
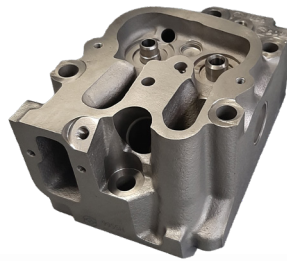
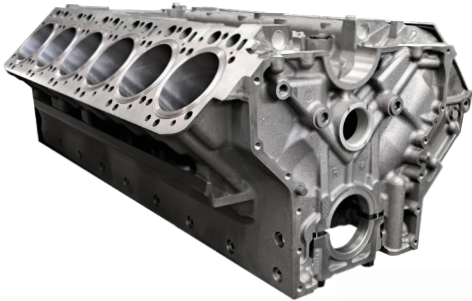
Various engine components



High-quality standard



Small-sized production in batches



Machinery

Experience, know-how and high-quality machinery are essential for the production of high quality engine parts. This is why we continually invest in the renewal and development of our production equipment.



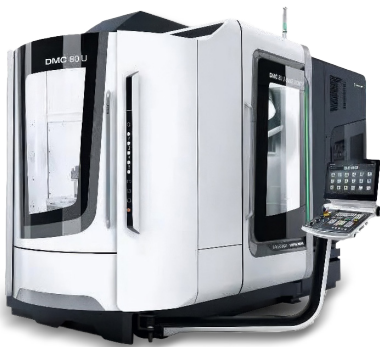
Tradition
and know-how
in production



High
processing
quality



Investment
in innovation



DMC 80U Duoblock
5-axis CNC center, equipped with rotary pallet changer

Max. X-axis travel	800	[mm]
Max. Y-axis travel	1050	[mm]
Max. Z-axis travel	850	[mm]
Max. workpiece diameter	900	[mm]
Max. workpiece height	1450	[mm]
Max. workpiece weight	1400	[kg]



CTX 1250 Gamma
CNC Turn-mill machine with counter spindle equipped
with steady rest for turning long parts

Max. X-axis travel	650	[mm]
Max. Y-axis travel	400	[mm]
Max. Z-axis travel	1300	[mm]
Max. counter spindle travel	1160	[mm]
Max. workpiece diameter	630	[mm]
Max. workpiece length	1300	[mm]



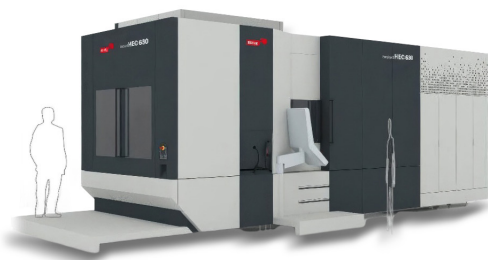
CTX 2500/700
Universal turning center with counter spindle and driven
tools. Equipped with barfeeder IEMCA Master 880 verso.
Turning bars up to Ø75x3000 mm

Max. X-axis travel	260	[mm]
Max. Y-axis travel	100	[mm]
Max. Z-axis travel	795	[mm]
Max. counter spindle travel	961	[mm]
Max. workpiece diameter	430	[mm]
Max. workpiece length	700	[mm]



HECKERT HEC 800 X5 5-axis CNC center, equipped with rotary pallet changer

Max. X-axis travel	1450	[mm]
Max. Y-axis travel	1300	[mm]
Max. Z-axis travel	1300	[mm]
Max. workpiece diameter	1400	[mm]
Max. workpiece height	1000	[mm]
Max. workpiece weight	1200	[kg]



HECKERT HEC 800 4-axis CNC center, equipped with rotary pallet changer

Max. X-axis travel	1450	[mm]
Max. Y-axis travel	1300	[mm]
Max. Z-axis travel	1300	[mm]
Max. workpiece diameter	1400	[mm]
Max. workpiece height	1400	[mm]
Max. workpiece weight	2000	[kg]



HECKERT HEC 500 5-axis CNC center equipped with rotary pallet changer

Max. X-axis travel	750	[mm]
Max. Y-axis travel	700	[mm]
Max. Z-axis travel	725	[mm]
Max. workpiece diameter	700	[mm]
Max. workpiece height	950	[mm]
Max. workpiece weight	600	[kg]



Hermle C40 5-axis CNC center equipped with rotary pallet changer

Max. X-axis travel	850	[mm]
Max. Y-axis travel	700	[mm]
Max. Z-axis travel	500	[mm]
Max. workpiece diameter	1000	[mm]
Max. workpiece height	400	[mm]
Max. workpiece weight	1400	[kg]