

multi-optional systems

metrom



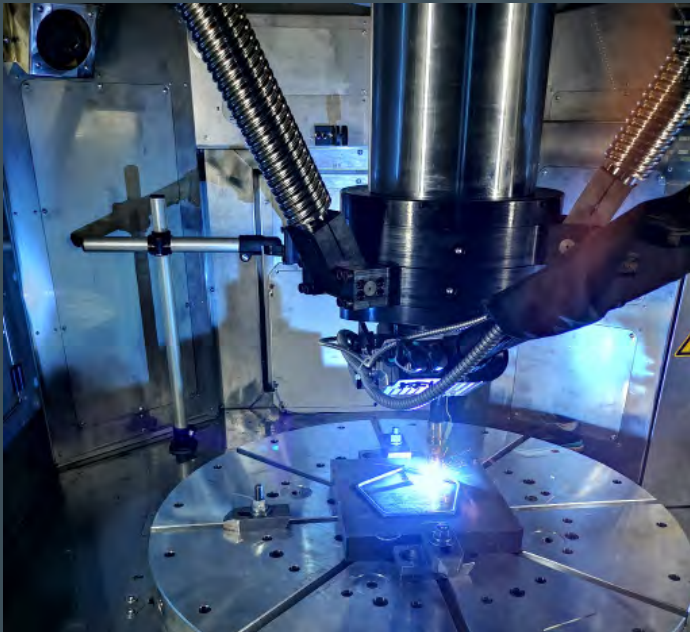
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Mobile and stationary pentapods for **additive** and **subtractive** precision machining of steel, titanium, aluminum and CFRP.

3D-printing of metal by wire DED

WAAM -

wire arc additive manufacturing



integration of different welding sources possible

LASER -

additive manufacturing



wire-based laser system with 2kW

3D-printing of plastic pellets by

SEAM

SEAM UNIT

extrusion unit with
patented bypass



SEAM HEX

5-axis 3D printing



PENTA SEAM

7-axis hybrid system



P700



workpiece size

diameter Ø 700 mm

Z - dimensions 450 mm

P1020



workpiece size

X- / Y-dimensions 1000 mm x 1000 mm

Z - dimensions 600 mm

P1430



workpiece size

X- / Y-dimensions 1400 mm x 1400 mm

Z - dimensions 700 mm

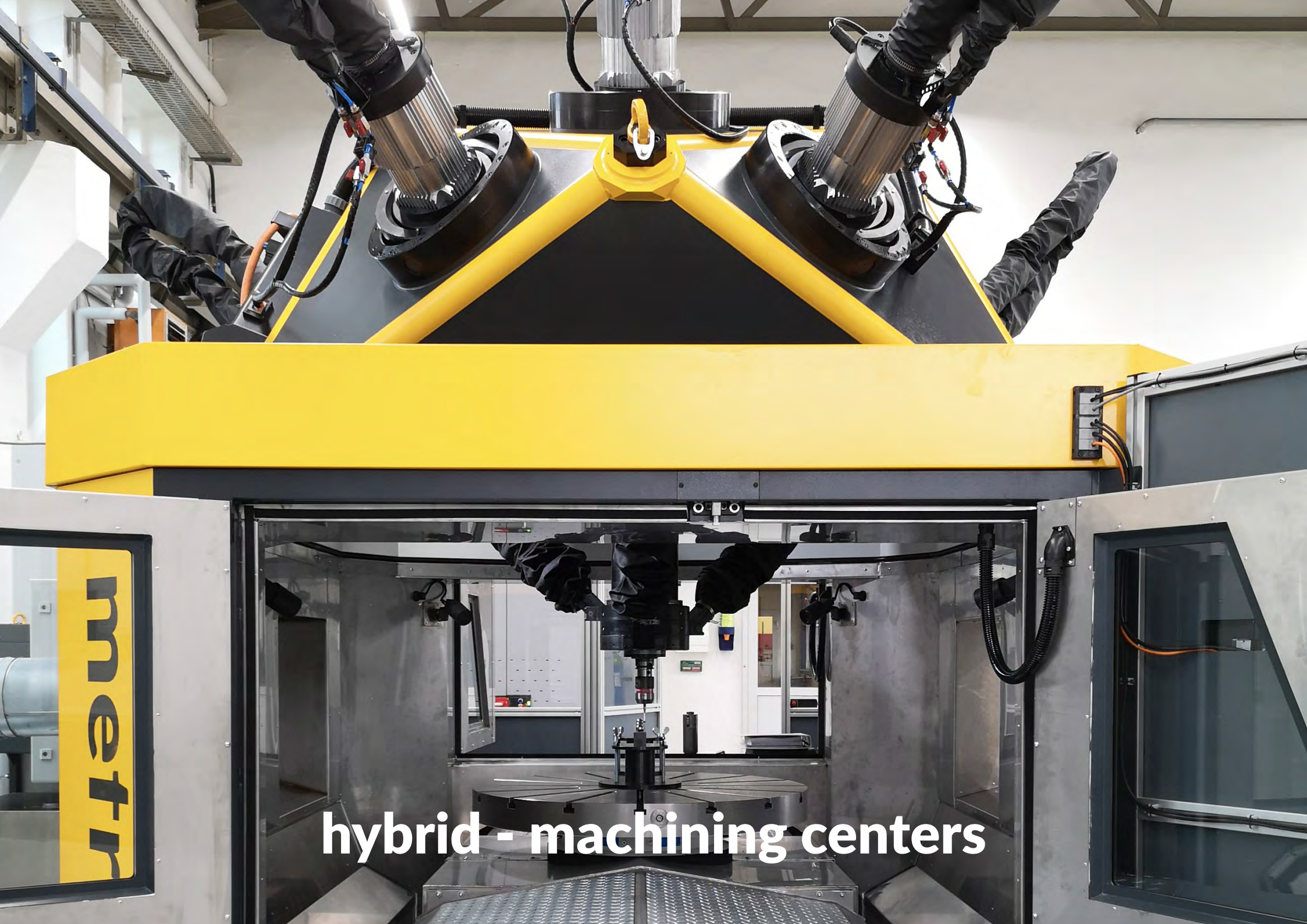
P2040



workpiece size

X- / Y-dimensions 2000 mm x 2000 mm

Z - dimensions 1000 mm



hybrid - machining centers



mobile 5-axis machines

- Effortless transport via hand, air cargo, or standard truck
- Quick unloading and setup in under 1 hour relative to the workpiece
- Unlimited part size capability with laser tracker interface
- High-performance 5-axis cutting for rapid and precise results
- Automation potential with additional external axes
- Compatible with container solutions for flexible integration

workspace size

workspace diameter Ø 200 mm

Z - dimensions 100 mm



PM200

workspace size

workspace diameter Ø 800 mm

Z - dimensions 100 mm



PM800

workspace size

workspace diameter Ø 1000 mm

Z - dimensions 800 mm



PM1000

workspace size

workspace diameter Ø 2000 mm

Z - dimensions 1000 mm



PM2000

MoRe - mobile repair factory

- PM800 integrated in special container
- Hybrid machining capabilities in a container, available in both vertical and horizontal orientations
- For exceptionally large workpieces, the machine can be easily removed from the container



MSF - mobile smart factory

- Quickly transportable and deployable container
- Encompasses the complete process chain, including specific pre- and post-processing
- Features a 6-axis hybrid machine capable of both additive (WAAM) and subtractive manufacturing





container solutions

SEAM HEX





3D - printing of large structures

- up to 1 m/s table speed
- 6-axis parallel kinematics
- Z-adjustment plasticizing unit
- patented bypass nozzle concept for volume flow control
- High discharge capacity of up to 18 kg/h



material management

- predrying
- automatic material supply
- regranulation



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