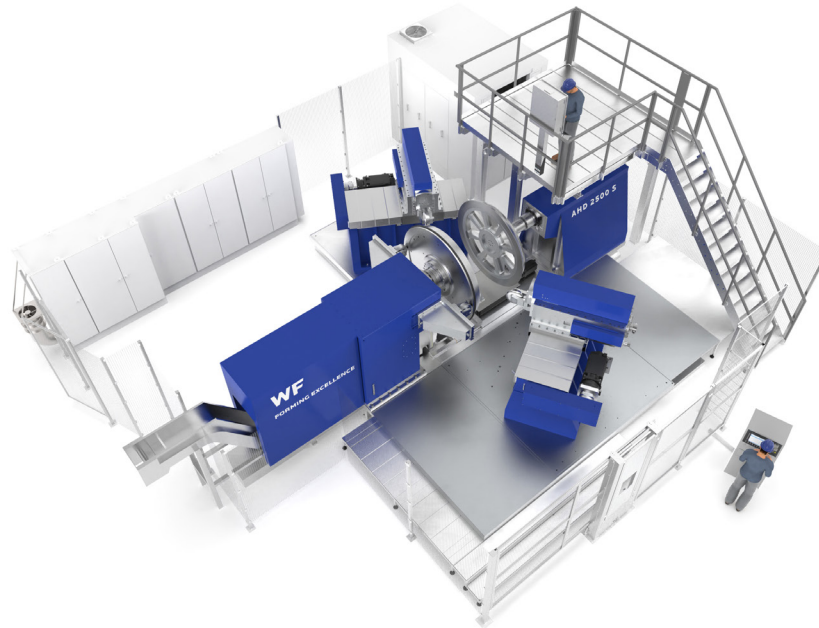


SERIES FOR FLOW-FORMED COMPONENTS AHD 2500 S

AUTOMATIC HYDRAULIC FLOW FORMING MACHINE

WF



Flow forming machine for production of rotationally symmetrical flow-formed components, consisting particularly of steel, stainless steel, aluminium and a range of other metals, such as copper or niobium

End products:

- Tank and vessel heads
- Separator components
- Ventilation-system components
- Cones and funnels
- and much, much more.

Anwendungsgebiete:

- Medical and chemicals industry
- Aerospace
- Ventilation and air-conditioning (HVAC)
- Wind turbines
- Commercial kitchens etc.

Benefits

- Extremely robust and highly durable machine concept exerting high forming forces
- Highly precise forming even of soft/thin-walled rounds with no sacrifice of surface quality, for instance
- Automatic detection of support positions on the machine bed
- Centring mechanism can be positioned via control system
- Suitable for hot and cold forming

A machine of the AHD series is part of our R&D Center. We make it available to our customers for development and testing purposes. You can also benefit from the immediately subsequent analysis of results in our measurement laboratory.

Innovationen

- > New software package enables transfer of programs between two machines even of different sizes
- > Movable support table for easy loading/unloading, as well as use as a single- and double-support machine
- > New tailstock design permitting installation of eccentric-rollers instead of a pressure head, e.g.

OUR MACHINES FOR FLOW-FORMED COMPONENTS

TECHNICAL SPECIFICATION: AHD 2500 S

Feed material/blank disc diameter	max.	2500 mm
Material thickness steel sheet/plate (dependent on type of steel)	max.	20 mm
Workpiece height	max.	700 mm
Drive rating- main spindle	ca.	155 kW
Main spindle speed - First Gear 1	ca.	60 - 200 min ⁻¹
Main spindle speed - Second Gear 2	ca.	200 - 600 min ⁻¹
Tool mounting main spindle	DIN 55027	size 15
Axial support stroke		800 mm
Advance force - axial support		300 kN
Rapid traverse speed - axial support	max.	5 m/min.
Working speed - axial support		0- 1,5 m/min.
Radial support stroke		600 mm
Advance force - radial support		300 kN
Rapid traverse speed - radial support	max.	3 m/min.
Working speed - radial support		0 - 1 m/min.
Tailstock stroke		1000 mm
Tailstock thrust force		300 kN
Tailstock tool mounting	DIN 55027	size 8

The AHD machine can also be equipped, for example, with the following

Industry 4.0 components, z.B.:

- SMART FORMING assistant
- SMART FORMING viewer
- SMART FORMING cam
- SMART FORMING inspector
- SMART FORMING diagnostics

Automation solutions, e.g.:

- Feed/discharge systems
- Robots
- Transfer systems
- Gripper systems

Individual solutions, e.g.:

- Double tool changer / four-fold tool changer
- Safety-relevant components
- Trimming unit
- Electrically moveable centering system
- Ejectors

The AHD is available in many different sizes and designs. Contact us for your individual offer.