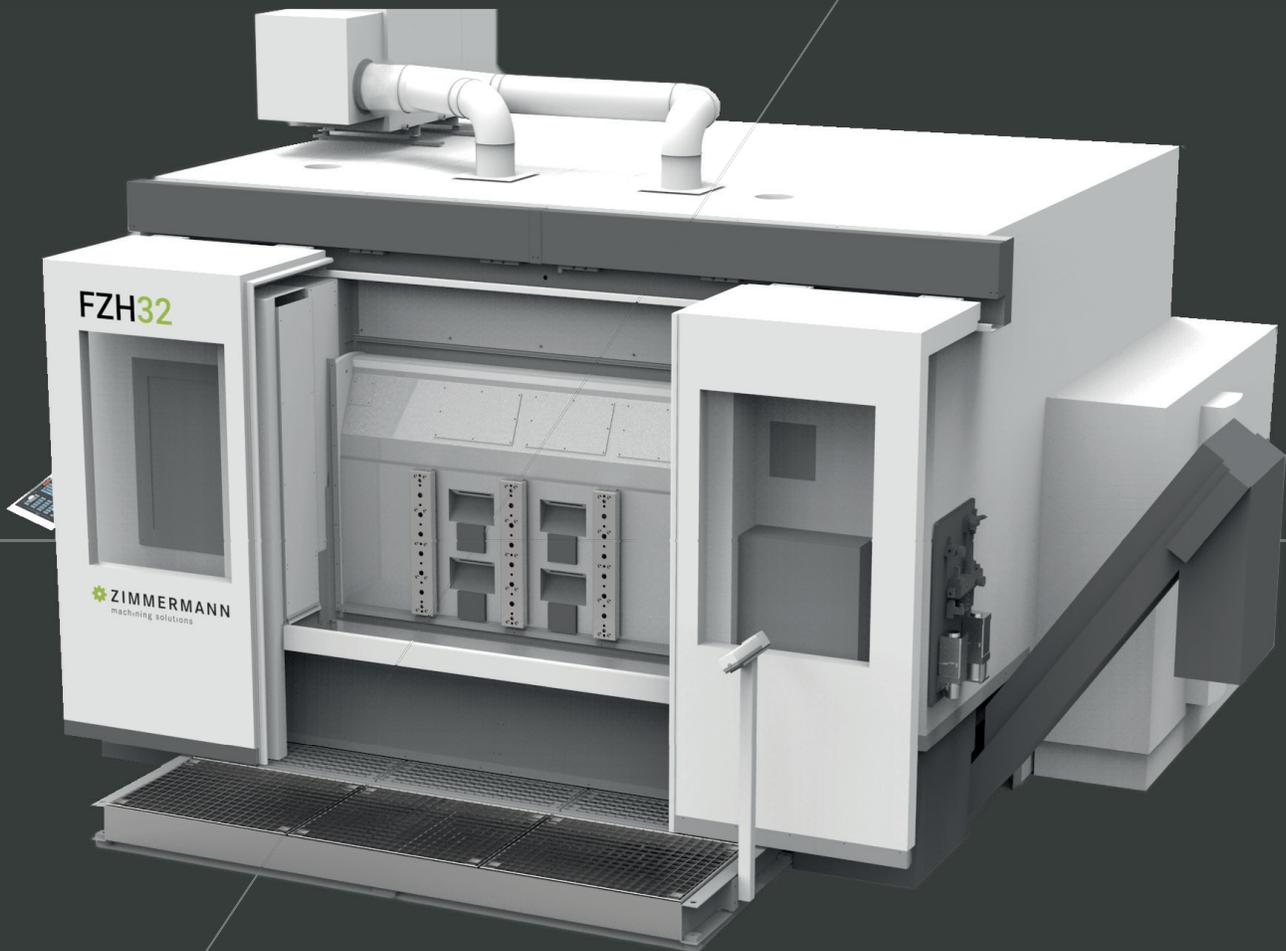


FZH32

➤ FZH-LINE
Horizontal Machining Center



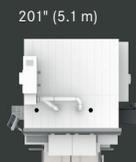
201" (5.1 m)

118" (3 m)



208" (5.3 m)

118" (3 m)



201" (5.1 m)

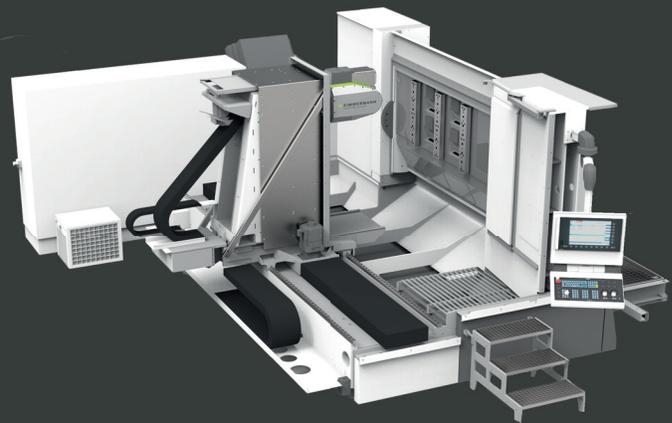
208" (5.3 m)

➤ Technical Data

| FZH32 | | |
|---|--|--|
| Working Ranges | | |
| X-axis | | 110 - 134" (2.8 - 3.4 m) (in steps of 20" (0.5 m) up to 252" 6.4 m) |
| Y-axis | | 37" or 49" (0.95 or 1.25 m) |
| Z-axis | | 23" (0.6 m) |
| Drives Linear Axes | | |
| Rate of Feed | X-axis | up to 2,755 ipm (70 m/min) |
| | Y-axis | up to 1,575 ipm (40 m/min) |
| | Z-axis | up to 2,362 ipm (60 m/min) |
| Acceleration | X-, Y-, Z-axis | max. 3 m/s ² |
| Dimensions | | |
| Required space (without peripherals) | Length | 209" (5.3m) |
| | Width | 201" (5.1 m) |
| | Height | 118" (3 m) |
| Accuracy | | |
| Standard | in accordance to VDI/DGQ.3441 or ISO 230-2 | |
| CNC control | | |
| | Siemens SINUMERIK ONE | |
| Equipment (optional) | | |

| MILLING HEAD C3E | | |
|---------------------------------|-------------------------------------|--|
| Performance | | |
| Torque rotary axes | in control | A-axis: 870 ft lb (1 180 Nm) C-axis: 966 ft lb (1 310 Nm) |
| | clamped | A-axis: 811 ft lb (1 100 Nm) C-axis: 737 ft lb (1 000 Nm) |
| Swivelling Range | | |
| A-axis | + 96°/ -1° | |
| C-axis | ± 186° | |
| Drives Rotary Axes | | |
| Rate of Feed | A-, C-axis | 108°/s , 84°/s |
| Acceleration | A-, C-axis | 3 1/s ² , 2 1/s ² |
| Accuracy | | |
| Positioning accuracy | A-, C-axis | 20", 10" |
| Repeatability | A-, C-axis | 10", 8" |
| Milling Spindle - 25 kW | | |
| Spindle power | S1 (100%) | 34 hp (25 kW) |
| | S6 (40%/2 min) | 47 hp (35 kW) |
| Spindle speed | 15 000 U/min (opt. 18 000 U/min) | |
| Torque | S1 (100%) | 44 ft lb (60 Nm) |
| | S6 (40%/2 min) | 61ft lb (83 Nm) |
| Constant power | 4 000 - 15 000 U/min | |
| Swivel axis - spindle nose | 8.6" (220 mm) | |
| Center offset spindle to C-axis | 6.4"(165 mm) | |
| Tool holder | HSK-A63 | |
| Tool clamping | spring clamp | |
| Tool release | hydraulic | |
| Lubrication | grease lubricated | |

The machine is specifically designed for machining aluminum structures and stringers in the aerospace industry and is ideal for milling, trimming and drilling applications. The compact thermo-symmetrical box-in-box design ensures a minimal footprint and therefore space-saving integration into production environments.



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