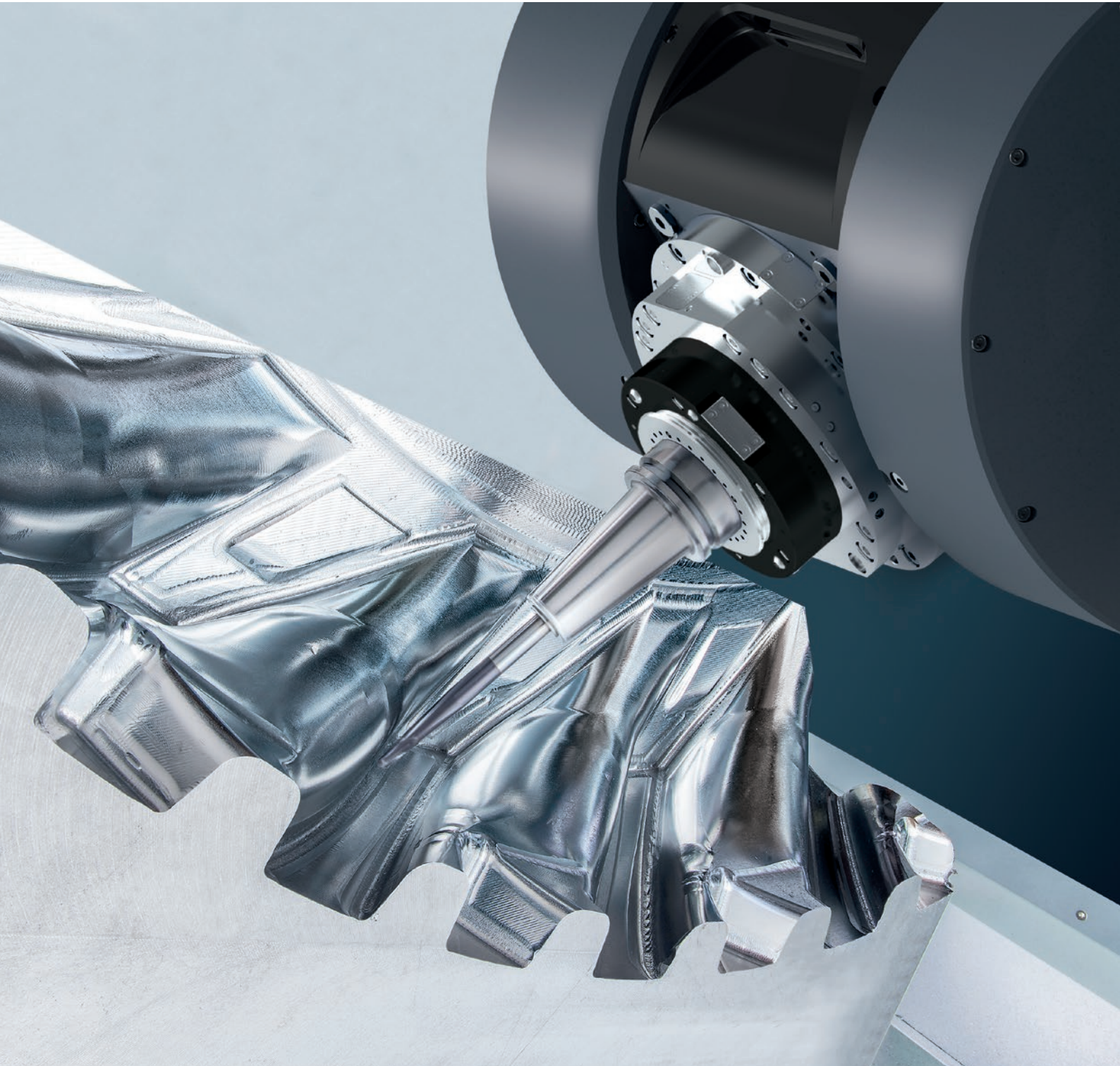


# HEADLINE – the overview

Maximum precision and dynamic for 5-axis machining



# The most powerful 2-axis heads in their class

- **Reliable skilled partner** – for 2-axis heads, spindles and motors
- **Individual configurability** due to modular design
- **High maximum torque** in the C-axis
- **High maximum torque**
- **High accuracy**  
Secondary cooling in the C-axis reduces the heat input in the headstock to a minimum
- **Highly maintenance friendly**  
Worn parts can be easily replaced on site
- **Spindles are optionally available with shaft clamping** for turning operations
- **Robust design** with monolithic fork
- **Precise machining results** due to high positioning accuracy
- **High flexibility** – and suitability for numerous applications
- **High productivity** due to high tilting speed
- **High clamping torque** in the A-axis
- **In the A-axis** due to the newest generation of powerful **COOLMOTION®** motors
- **High degree of operational safety** thanks to **LEDs** due to optimal illumination of the tool intervention
- **High productivity** thanks to high-torque motor spindles
- **With new spindle-generation MT + PC LINE**
- **With Quick Connect Cartridge (QCC)\***

\* does not apply to MT80 and MT600



For more information about QCC, go to [kessler-group.biz](http://kessler-group.biz)

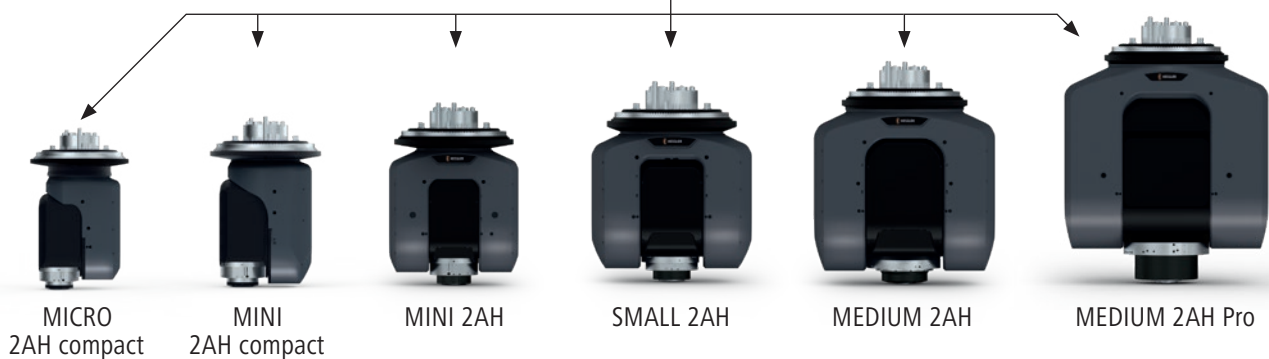
**HIGH QUALITY**  
MADE IN GERMANY

# 1AH with mounting flange




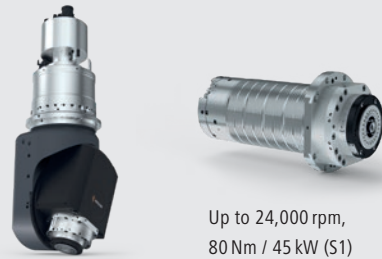
# C-axis with changing interface

+ Fitting-Ø: 540 mm






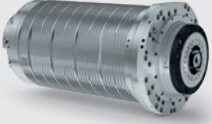




# Unlocking Opportunities

Head size	MICRO compact Fitting-Ø 335	MINI compact Fitting-Ø 335	MINI Fitting-Ø 335		
Spindle size	MT80	MT80	MT80		
2-axis	<b>MICRO 2AH compact*</b>		<b>MINI 2AH compact</b>		
	 <p>Up to 24,000 rpm, 80 Nm / 45 kW (S1)</p>		 <p>Up to 24,000 rpm, 80 Nm / 45 kW (S1)</p>		
	<b>A-axis</b> Clamping torque: 2,000 Nm Torque S1: 175 Nm	<b>C-axis</b> Clamping torque: 2,000 Nm Torque S1: 175 Nm	<b>A-axis</b> Clamping torque: 2,000 Nm Torque S1: 360 Nm	<b>C-axis</b> Clamping torque: 3,000 Nm Torque S1: 560 Nm	<b>A-axis</b> Clamping torque: 3,000 Nm Torque S1: 400 Nm
<p><b>All 2AHs are available with automatic A-axis change (QAC) or as 1AH with fixed mounting flange.</b></p>					

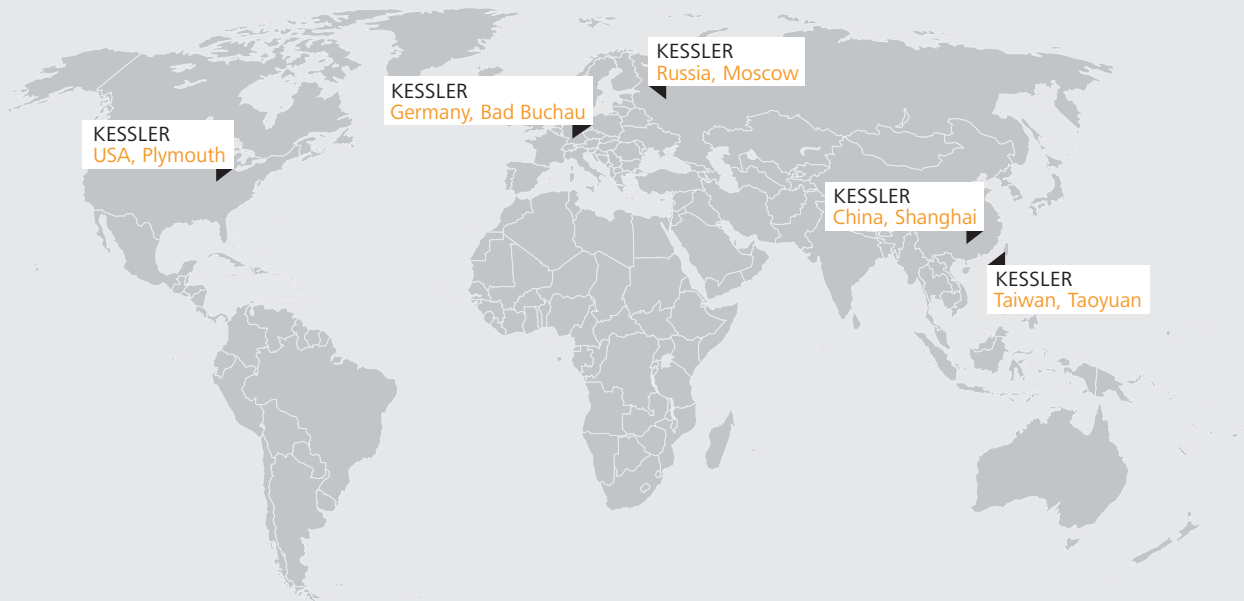
Head size	SMALL Fitting-Ø 335 + 390				
Spindle size	MT100   V100				
1-axis	<b>SMALL 1AH-B</b>				
	1AH-B	 <p><b>B-axis</b> Clamping torque: 3,000 Nm Torque S1: 560 Nm</p>	 <p>Up to 20,000 rpm, 200 Nm / 54 kW (S1)</p>	 <p><b>B-axis*</b> Clamping torque: 3,000 Nm Torque S1: 560 Nm</p>	 <p>Up to 24,000 rpm, 130 Nm / 30 kW (S1)</p>
		1AH-B-45	 <p><b>B-axis*</b> Clamping torque: 3,000 Nm Torque S1: 560 Nm</p>	 <p>Up to 20,000 rpm, 200 Nm / 54 kW (S1)</p>	 <p><b>B-axis*</b> Clamping torque: 3,000 Nm Torque S1: 560 Nm</p>

\* Availability on request

SMALL Fitting-Ø 335 + 390		MEDIUM Fitting-Ø 480 + 540		MEDIUM Pro Fitting-Ø 540	
MT100		MT400		MT500	
<b>SMALL 2AH</b>		<b>MEDIUM 2AH</b>		<b>MEDIUM 2AH Pro</b>	
					
Up to 20,000 rpm, 200 Nm / 54 kW (S1)		Up to 15,000 rpm, 500 Nm / 75 kW (S1)		Up to 6,000 rpm, 1,015 Nm / 66 kW (S1)	
<b>A-axis</b> Clamping torque: 4,000 Nm Torque S1: 1,100 Nm	<b>C-axis</b> Clamping torque: 4,000 Nm Torque S1: 1,139 Nm	<b>A-axis</b> Clamping torque: 7,400 Nm Torque S1: 2,200 Nm	<b>C-axis</b> Clamping torque: 12,500 Nm Torque S1: 2,500 Nm	<b>A-axis</b> Clamping torque: 7,400 Nm Torque S1: 3,020 Nm	<b>C-axis</b> Clamping torque: 12,500 Nm Torque S1: 2,500 Nm

MEDIUM Fitting-Ø 480 + 540					
MT400   V400					
<b>MEDIUM 1AH-B</b>					
					
Up to 15,000 rpm, 500 Nm / 75 kW (S1)		Up to 15,000 rpm, 550 Nm / 75 kW (S1)		Up to 15,000rpm, 550 Nm / 75 kW (S1)	
<b>B-axis</b> Clamping torque: 12,500 Nm Torque S1: 2,500 Nm		<b>B-axis*</b> Clamping torque: 12,500 Nm Torque S1: 2,500 Nm		<b>B-axis*</b> Clamping torque: 12,500 Nm Torque S1: 2,500 Nm	

# Operating Worldwide for our Customers



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