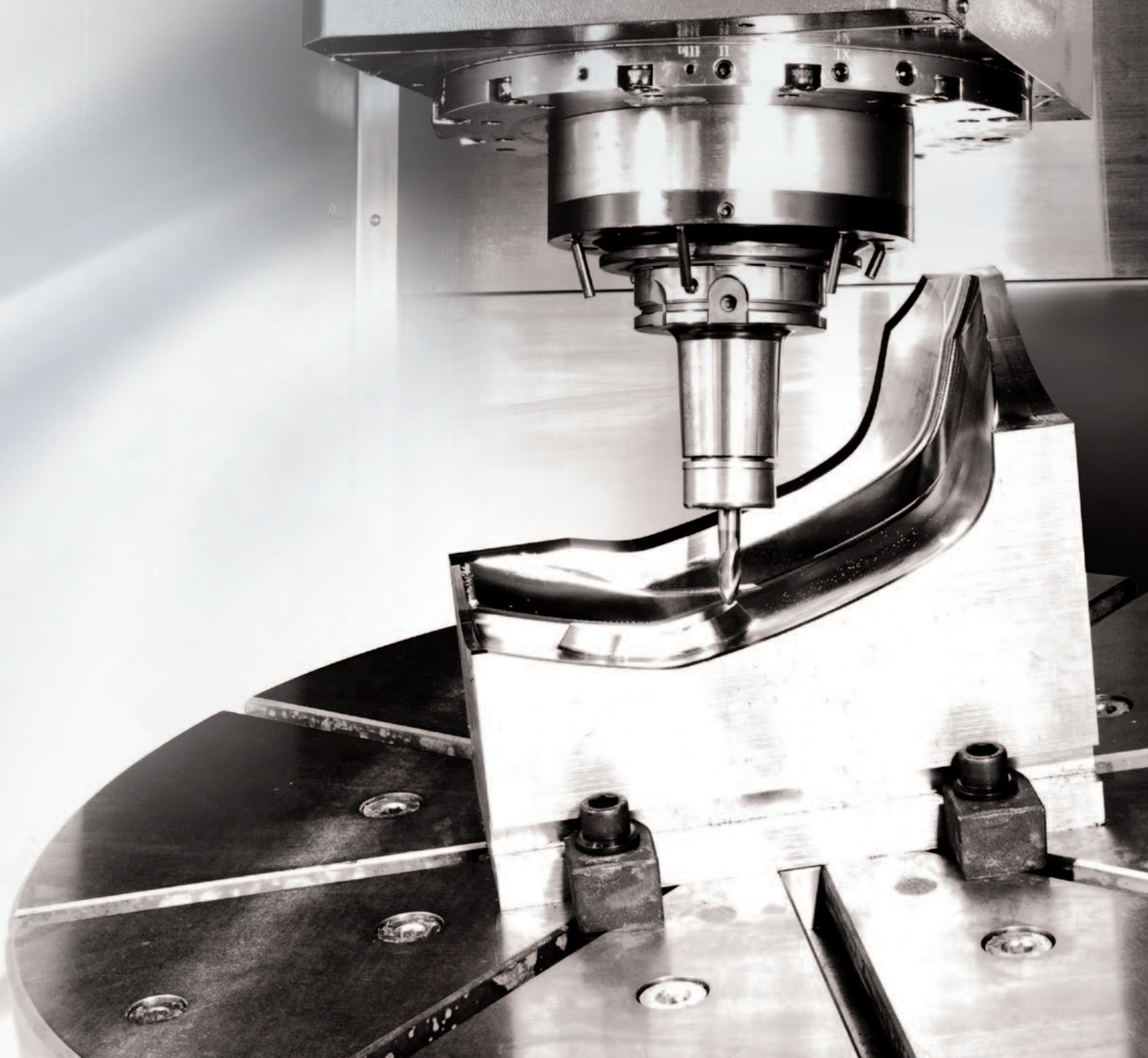


# Rotor



Focus On High Speed & 5-axis

## High Speed 5-Axis Machining Center

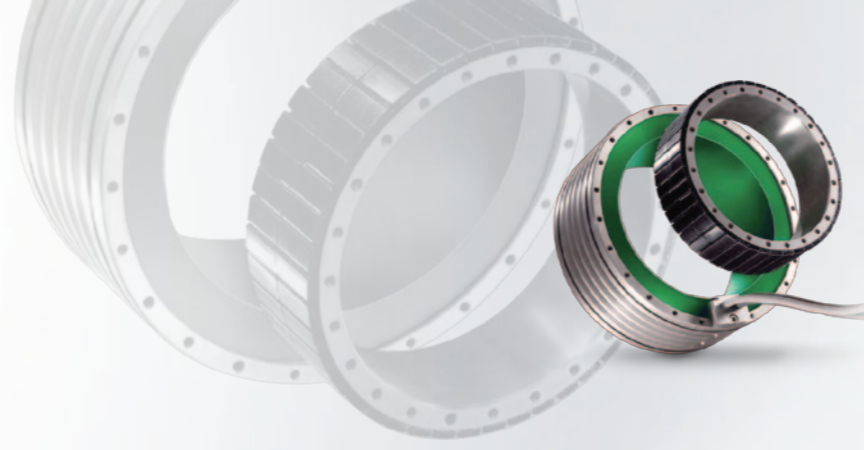




# Rotor

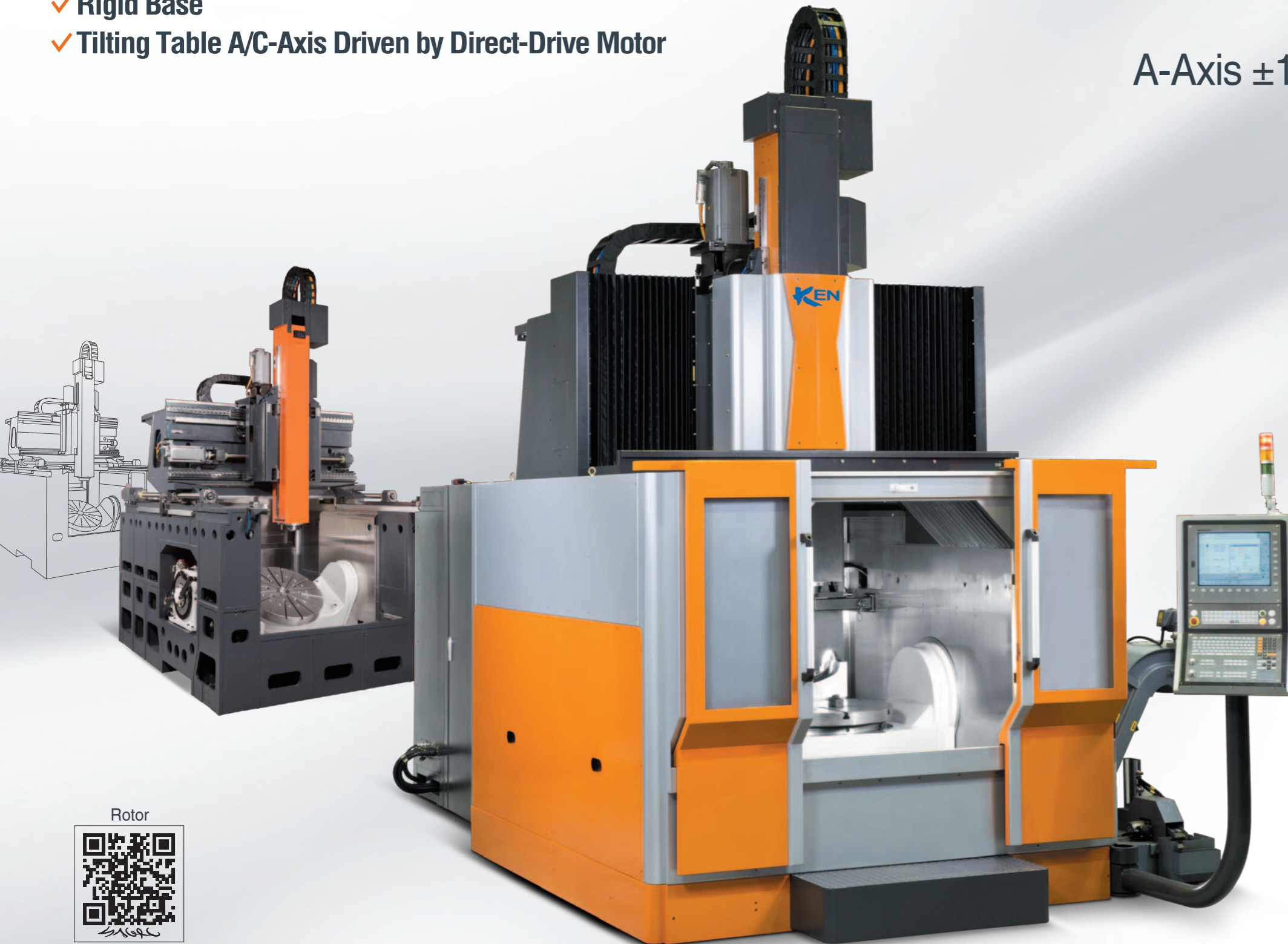
## Application:

**Aerospace Industry** | **Automotive Industry**  
Blisks | Engine Casings | Car Lamp Molds | Mold Cores



## Excellent Designed High Speed 5-Axis Machine Center

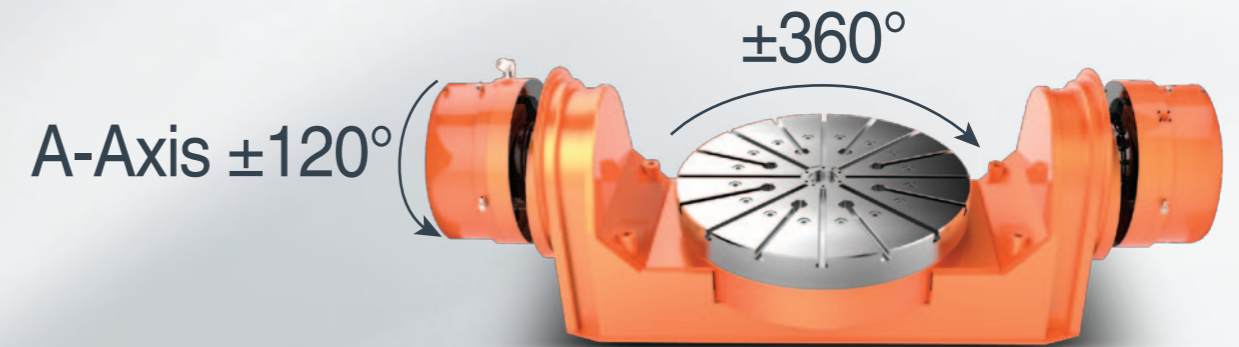
- ✓ Gantry Type
- ✓ Rigid Base
- ✓ Tilting Table A/C-Axis Driven by Direct-Drive Motor



## A/C-Axis Direct-Drive Motor Tilting Table

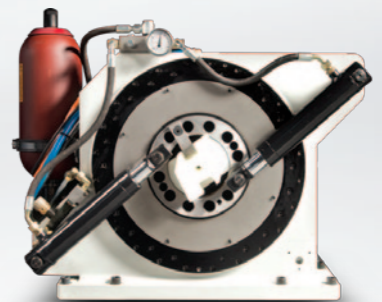
- Direct-drive motor for high speed, high torque, high precision.
- Eliminate worm and gear wear, and wear of other components.
- No backlash and low wear design for long-lasting accuracy.
- Simple structure for easy maintenance.

Max. Working Table Load **2500 kg**



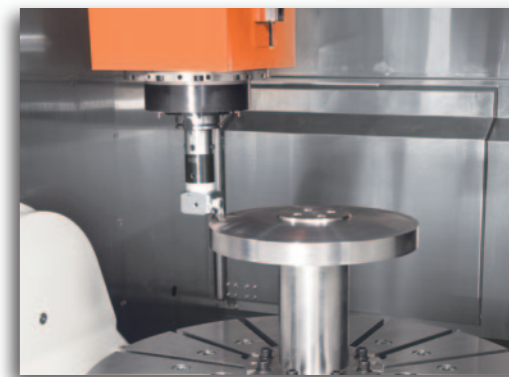
## Hydraulic Balancing System

The rotary table can guarantee precision and stability during operations at high speeds and at different loads.



## 500rpm Turning Functions

Rotor-100 C-axis rotary table not only works simultaneously with the 5-axes but can also directly perform 500rpm turning operations.



## We Provide 3 Spindle Options

Up to a 260Nm High Torque Spindle

Spindle		2400rpm	1200rpm	8000rpm
Spindle Speed	rpm	24000	12000	8000
Spindle Taper	type	HSK A63	HSK A100	HSK A100
Power S1-100%	kW	42	40	26
Torque S1-100%	Nm	67	248	260

Rotor



# Specifications

Model	Unit	Rotor-80		Rotor-100
<b>Travel</b>				
X-Axis	mm	800		1180
Y-Axis	mm	850		1250
Z-Axis	mm	700		800
Max. Workpiece Size	mm	Ø1050		Ø1400
<b>A/C-Axis Tilting Table</b>		Direct-Drive Torque Motor		Direct-Drive Torque Motor
Rotary Table Diameter	mm	Ø800		Ø1000
Rotary Table T-Slots	mm	20		20
Rotary Working Table Load	kg	1250		2500
Distance from Spindle Nose to Center	mm	200 ~ 900		280 ~ 1080
A/C-Axis Max. Rotation Speed	rpm(360°/S)	30/50		30/50
A/C-Axis Indexing Units	degree	0.001°/0.001°		0.001°/0.001°
A-Axis Rotation Angle	degree	±120°		±120°
C-Axis Rotation Angle	degree	360° (Continuous)		360° (Continuous)
<b>Turning Rotary Table (C-Axis)</b>		360° (Continuous)		
Rotary Table Power (S6-40%)	Kw	26		42
Rotary Table Torque (S1-100%)	Nm	1425		2250
<b>Spindle</b>				
Speed	rpm	24000	12000	8000
Spindle Taper	Type	HSK A63	HSK A100	HSK A100
Spindle Power S1-100%	kw	42	40	26
Spindle Torque S1-100%	Nm	67	248	260
<b>Feed Rate</b>				
X/Y/Z Axis Rapid Feed Rate	m/min	50/50/40		
<b>Automatic Tool Changer</b>				
Cutting Tool Type		HSK A63	HSK A100	
Cutting Tool Quantity	pcs	20	20	
Max. Cutting Tool Weight (per Piece)	kg	5	7	
Max. Cutting Tool Length	mm	100	250	
Max. Cutting Tool Diameter	mm	Ø63	Ø100	

Specifications are subject to change without notice.



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