

# GANTRY MILLING MACHINES

Excellent quality of motion control.



## OUR PRODUCTS



# PRODUCT OVERVIEW

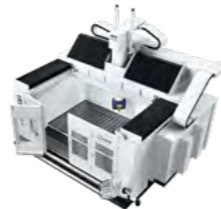
ENDURA® 400LINEAR  
COMPACT GANTRY  
MILLING MACHINE



ENDURA® 700LINEAR  
COMPACT GANTRY  
MILLING MACHINE



ENDURA® 900LINEAR  
COMPACT GANTRY  
MILLING MACHINE



ENDURA® 7000LINEAR  
COMPACT GANTRY  
MILLING MACHINE



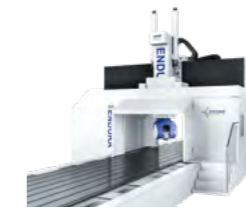
ENDURA® 600LINEAR  
GANTRY MILLING  
MACHINE



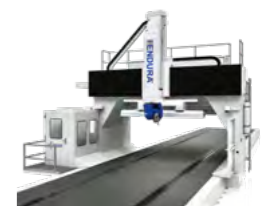
ENDURA® 900LINEAR  
GANTRY MILLING  
MACHINE



ENDURA® PRO LINEAR  
LONG BED GANTRY  
MILLING MACHINE



ENDURA® 1000LINEAR  
LONG BED GANTRY  
MILLING MACHINE



TRAVERSE PATHS (MM)	X	Y	Z	ENDURA 400LINEAR	ENDURA 700LINEAR	ENDURA 900LINEAR	ENDURA 7000LINEAR	ENDURA 600LINEAR	ENDURA 900LINEAR	ENDURA PRO LINEAR	ENDURA 1000LINEAR
	2,700	2,000 / 3,000	1,200	1,500 / 2,200 / 4,000 / 5,500	2,000 / 2,800 / 3,500	1,500	3,000 / 4,500 / 6,000	2,800 / 3,500	1,500 / 2,100 / 2,500 / 3,000	5,000 - 60,000	5,000 - 60,000
MH 4	HSK-A63, 42 kW 67 Nm, 24,000 U/min	HSK-A63, 63 kW 31 Nm, 30,000 U/min		HSK-A63, 42 kW 67 Nm, 24,000 U/min			HSK-A63, 42 kW 67 Nm, 24,000 U/min	HSK-A63, 63 kW 31 Nm, 30,000 U/min	HSK-A63, 42 kW 67 Nm, 24,000 U/min	HSK-A63, 63 kW 31 Nm, 30,000 U/min	HSK-A63, 42 kW 67 Nm, 24,000 U/min
MH 6					HSK-A100, 63 kW 300 Nm, 15,000 U/min				HSK-A100, 63 kW 300 Nm, 15,000 U/min		HSK-A100, 63 kW, 300 Nm, 15,000 U/min
MH 8						HSK-A100, 63 kW 300 Nm, 15,000 U/min	HSK-A63, 125 kW 60 Nm, 30,000 U/min	HSK-A100, 63 kW 300 Nm, 15,000 U/min	HSK-A63, 125 kW 60 Nm, 30,000 U/min	HSK-A100, 63 kW 300 Nm, 15,000 U/min	HSK-A100, 63 kW 300 Nm, 15,000 U/min
MH 9								HSK-A63, 39 kW 32 Nm, 24,000 U/min	HSK-A63, 39 kW 32 Nm, 24,000 U/min		HSK-A63, 39 kW 32 Nm, 24,000 U/min
								HSK-A63, 63 kW 31 Nm, 30,000 U/min	HSK-A63, 63 kW 31 Nm, 30,000 U/min		HSK-A63, 63 kW 31 Nm, 30,000 U/min
MH 10	HSK-A63, 24 kW 39.1 Nm, 21,000 U/min										
MH 11	HSK-A63, 34 kW 40 Nm, 24,000 U/min	HSK-A63, 20 kW 21.5 Nm, 30,000 U/min		HSK-A63, 34 kW 40 Nm, 24,000 U/min				HSK-A63, 20 kW 21.5 Nm, 30,000 U/min	HSK-A63, 34 kW 40 Nm, 24,000 U/min	HSK-A63, 20 kW 21.5 Nm, 30,000 U/min	HSK-A63, 34 kW 40 Nm, 24,000 U/min
MH 12					HSK-A100, 60 kW, 300 Nm, 15,000 U/min		HSK-A100, 60 kW 300 Nm, 15,000 U/min		HSK-A100, 60 kW 300 Nm, 15,000 U/min		
MH 15		HSK-A63, 45 kW 130 Nm, 20,000 U/min		HSK-A63, 45 kW 130 Nm, 20,000 U/min				HSK-A63, 60 kW 60 Nm, 24,000 U/min	HSK-A63, 45 kW 130 Nm, 20,000 U/min	HSK-A63, 60 kW 60 Nm, 24,000 U/min	
		HSK-A63, 60 kW 60 Nm, 24,000 U/min		HSK-A63, 60 kW 60 Nm, 24,000 U/min				HSK-A63, 60 kW 60 Nm, 24,000 U/min	HSK-A63, 60 kW 60 Nm, 24,000 U/min		
		HSK-A100, 60 kW 160 Nm, 16,000 U/min		HSK-A100, 60 kW 160 Nm, 16,000 U/min				HSK-A100, 60 kW 160 Nm, 16,000 U/min	HSK-A100, 60 kW 160 Nm, 16,000 U/min		

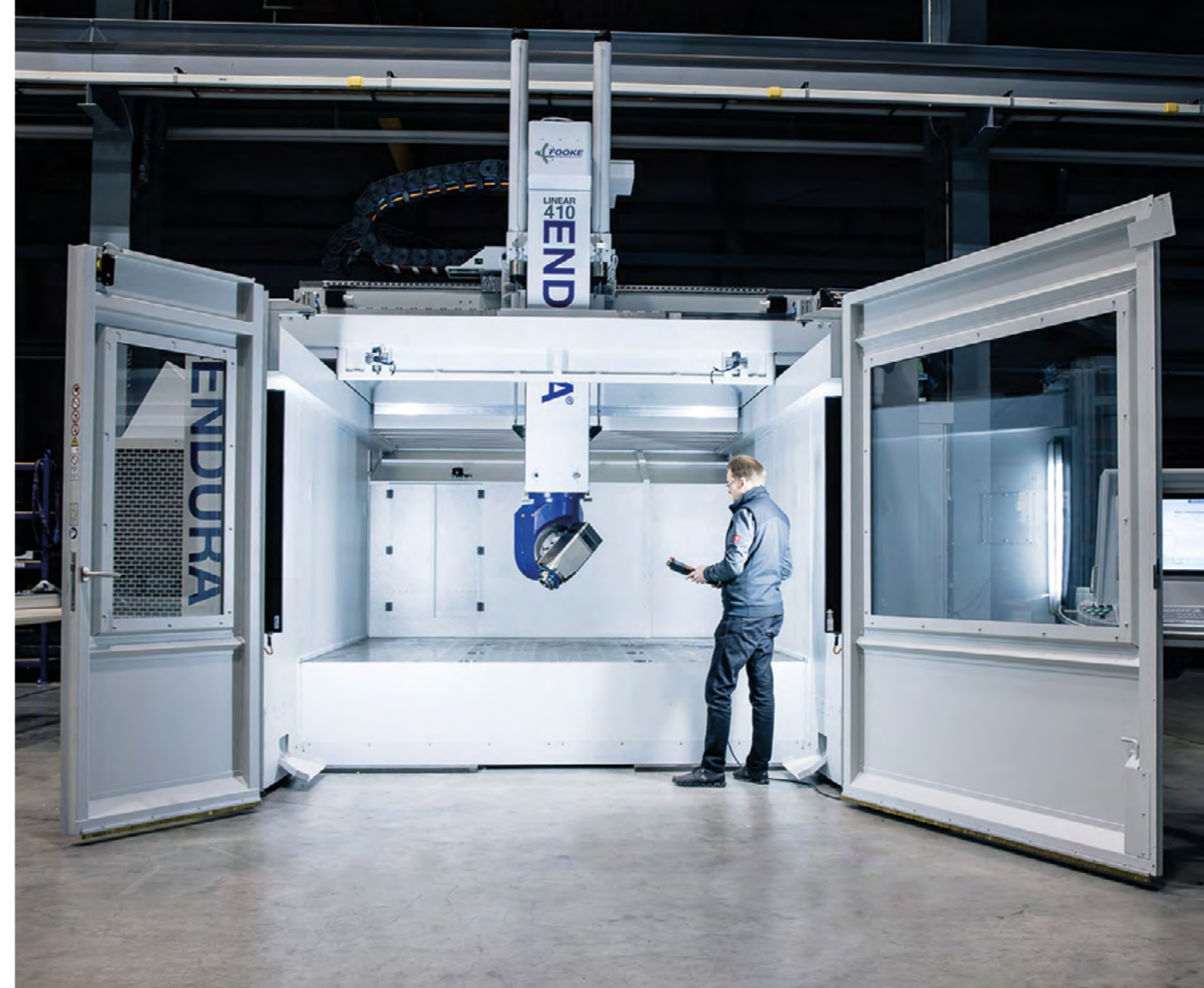
# ENDURA® 400LINEAR COMPACT GANTRY MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- Highly efficient for plastics processing
- Large machining area, small installation surface, can be set up without foundations
- High structural rigidity, highest dynamics and best accuracies
- Easy transport and short commissioning due to compact machine design
- Consistently high precision due to temperature stability of the machine structure
- Direct drive motors in all axes (linear and torque motors)



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	2,700	5 - 90,000	up to 5
Y-Axis	2,000 / 3,000	5 - 90,000	
Z-Axis	1,200	5 - 80,000	

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 10	✓	✓	✓	-	-	-
MH 11	✓	✓	✓	✓	-	-

TECHNICAL  
DATA

MATERIALS

# ENDURA® 700LINEAR COMPACT GANTRY MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- Large machining area, small installation surface, can be set up without foundations
- Easy transport and short commissioning due to compact machine design
- Highly efficient productivity in the machining of aluminum components
- Direct drive motors in all axes (linear and torque motors)
- Consistently high precision due to temperature stability of the machine structure
- Modular design allows extension of X travel as XL version
- High structural rigidity, highest dynamics and best accuracies
- 5-sided machining of all common automotive components
- Thermal decoupling of short-term temperature fluctuations by Thermo Guard



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	1,500 / 2,200 / 4,000 / 5,500	5 - 90,000	up to 5
Y-Axis	2,000 / 2,800 / 3,500	5 - 90,000	
Z-Axis	1,500	5 - 90,000	

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 4	✓	✓	✓	✓	✓	✓
MH 11	✓	✓	✓	✓	-	-
MH 15	✓	✓	✓	✓	✓	✓

Technical changes reserved.

FOOKE ENGINEERING WORKS

TECHNICAL  
DATA

MATERIALS

# ENDURA® 900LINEAR COMPACT GANTRY MILLING MACHINE

## ADVANTAGES AT A GLANCE

- Large machining area, small installation surface, can be set up without foundation
- High structural rigidity, highest dynamics and accuracies
- Direct drive motors in all axes (linear and torque motors)
- Thermal decoupling of short-term temperature fluctuations by Thermo Guard



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	2,500 / 5,500 / 8,900	5 - 65,000	up to 5
Y-Axis	3,500	5 - 65,000	
Z-Axis	1,500	5 - 65,000	

TECHNICAL  
DATA

	Plastics	Block-materials for modelling!	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 4	✓	✓	✓	✓	✓	✓
MH 6	-	-	-	✓	✓	✓
MH 8	-	-	-	✓	✓	✓
MH 12	-	-	-	✓	✓	✓
MH 15	✓	✓	✓	✓	✓	✓

MATERIALS

Technical changes reserved.

FOOKE ENGINEERING WORKS

# ENDURA® 7000LINEAR COMPACT GANTRY MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- For high-performance heavy-duty machining of high-strength materials
- High structural rigidity, highest dynamics and outstanding accuracies
- Large machining area, small footprint, foundationless installation
- Direct drives in all axes (linear and torque motors)
- Thermosymmetrical machine concept



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	3,000 / 4,500 / 6,000	5 - 65,000	up to 3
Y-Axis	3,500 / 4,500	5 - 65,000	
Z-Axis	1,500	5 - 65,000	

TECHNICAL  
DATA

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 8	-	-	-	✓	✓	✓
MH 12	-	-	-	✓	✓	✓

MATERIALS

# ENDURA® 600LINEAR GANTRY MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- Very spacious machining area
- Loading at ground level
- Optimal dust extraction and chip conveyor concepts
- Direct drives in all axes (linear and torque motors)
- Individual concepts for highest accuracies of large-scale components in aviation
- Entry model for 1:1 processing in vehicle design
- Excellent productivity in the machining of multi-purpose large workpieces
- Customized solutions for clamping technology
- Individual axis length configuration



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	5.000 - 30,000	5 - 65,000	up to 3
Y-Axis	2,800 / 3,500	5 - 65,000	
Z-Axis	1,500 / 2,000 / 2,300	5 - 65,000	

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 4	✓	✓	✓	✓	-	-
MH 9	✓	✓	✓	-	-	-
MH 11	✓	✓	✓	✓	-	-
MH 15	✓	✓	✓	✓	✓	✓

TECHNICAL  
DATA

MATERIALS

Technical changes reserved.

FOOKE ENGINEERING WORKS

# ENDURA® 900LINEAR GANTRY MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- Highly dynamic for universal applications
- Direct drives in all axes (linear and torque motors)
- Excellent structural rigidity, highest dynamics and accuracies
- Very large enveloped machining area
- Market leader in 1:1 machining in German automotive design
- Perfectly matched machine concept for productive end-to-end machining from aluminum to steel



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	5,000 - 30,000	5 - 65,000	
Y-Axis	3,000 / 3,500 / 4,000 / 4,500	5 - 65,000	up to 5
Z-Axis	1,500 / 2,100 / 2,500 / 3,000	5 - 65,000	

TECHNICAL  
DATA

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 4	✓	✓	✓	✓	✓	✓
MH 6	-	-	-	✓	✓	✓
MH 8	-	-	-	✓	✓	✓
MH 9	-	-	✓	-	-	-
MH 11	✓	✓	✓	✓	-	-
MH 12	-	-	-	✓	✓	✓
MH 15	✓	✓	✓	✓	✓	✓

MATERIALS

Technical changes reserved.

FOOKE ENGINEERING WORKS



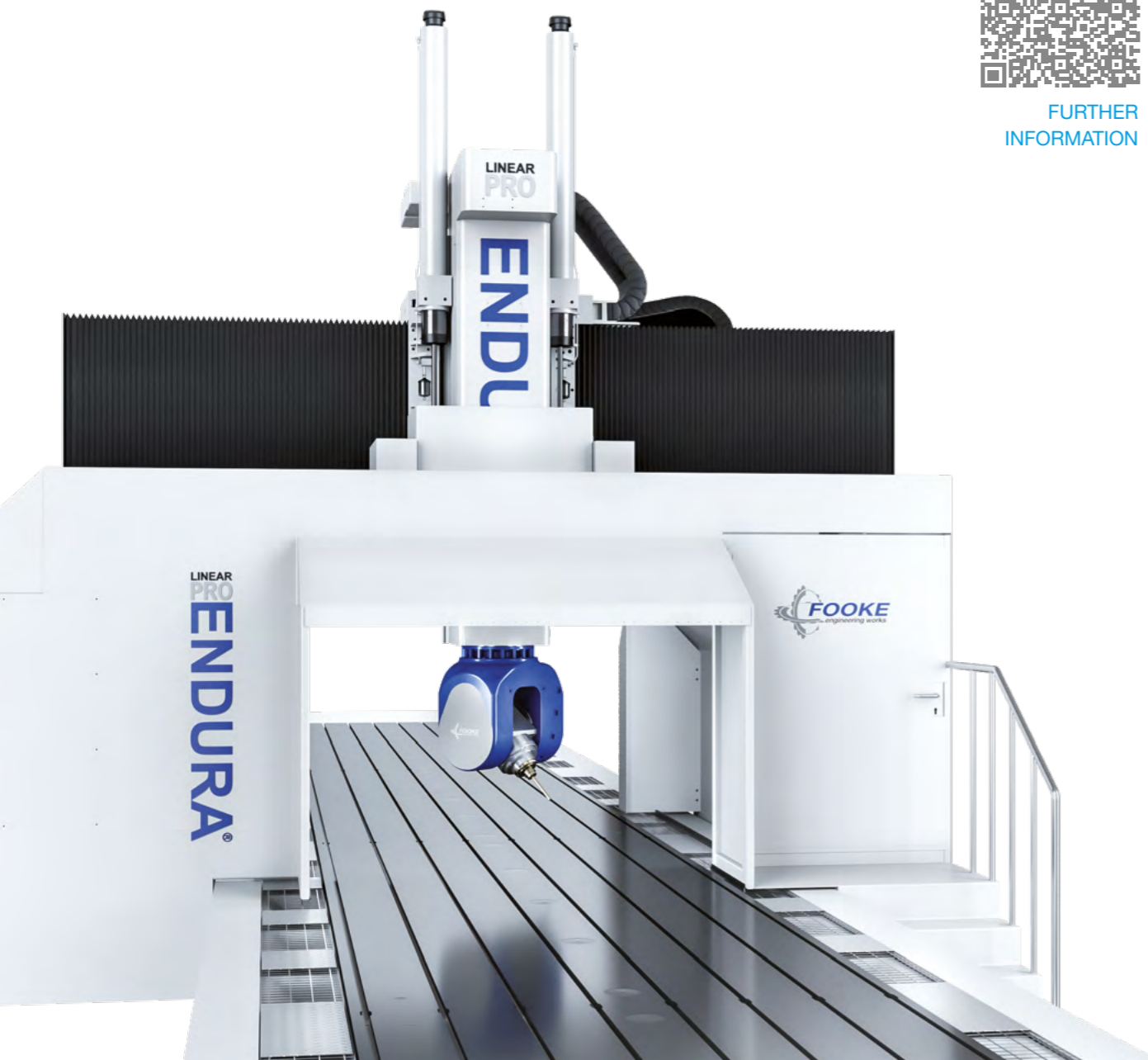
# ENDURA® PRO LINEAR LONG BED GANTRY MILLING MACHINE

- Specialist for stringer and profil machining
- Ergonomic loading
- Highly dynamic 5-axis machining of long workpieces
- Two-station component machining for process-parallel loading
- Material removal rates up to 11.0 l/min
- Monobloc machine bed design, modularly expandable
- Flexible workpiece clamping systems
- Encapsulated machining area by bullet-proof lamellas



FURTHER  
INFORMATION

ADVANTAGES  
AT A GLANCE



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	5,000 - 60,000	5 - 60,000	up to 3.5
Y-Axis	1,600 / 2,400 / 3,100	5 - 65,000	
Z-Axis	1,100 / 1,500	5 - 65,000	

TECHNICAL  
DATA

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 4	-	-	✓	✓	-	-
MH 11	-	-	✓	✓	-	-

MATERIALS

# ENDURA® 1000LINEAR LONG BED GANTRY MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- Specialist or large volume workpieces
- Ergonomic loading
- Travelling operator cabin for optimal process monitoring
- Traveling tool changer
- Market leader in the machining of aluminum profiles for the rail technology
- Individual clamping concepts and fixtures on customer request
- Available with mechanical drive components or modern linear motor drives
- Three-station component machining for process-parallel loading and unloading
- FSW retrofit solution for friction stir welding with max. axial force of 25 kN



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s <sup>2</sup> ]
X-Axis	5,000 - 60,000	5 - 55,000	up to 5
Y-Axis	4,500	5 - 55,000	
Z-Axis	1,600 / 1,900 / 2,100	5 - 55,000	

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
MH 4	✓	✓	✓	✓	✓	✓
MH 6	-	-	-	✓	✓	✓
MH 8	-	-	-	✓	✓	✓
MH 9	-	-	✓	-	-	-

TECHNICAL  
DATA

MATERIALS

Technical changes reserved.

FOOKE ENGINEERING WORKS

# ENDURA® 800 PLATE MILLING MACHINE

ADVANTAGES  
AT A GLANCE

- Face milling machine for large aluminum precision plates
- Highest accuracies due to extremely rigid machine structure
- Ergonomic loading
- Finish operation in one milling process
- Surface quality < 0.4 µm
- Milling tool up to Ø 3,100 mm



FURTHER  
INFORMATION



	Traverse paths [mm]	Feed rate [mm/min]	Acceleration [m/s²]
X-Axis	3,000 - 20,000	5 - 60,000	up to 1
Y-Axis	fixed	-	
Z-Axis	ca. 400	5 - 5,000	

	Plastics	Block-materials for modelling	Composite materials (CFRP / GRP)	Aluminum	Cast Iron	Steel
	-	-	-	✓	-	-

TECHNICAL  
DATA

MATERIALS



MILLING HEAD DATA

C-Axis (Milling head rotary axis)	
Pivoting angle:	550° (+/-275°)
Pivoting torque:	570 Nm
Clamping torque:	3,000 Nm
Revolution:	360°/s
Axis acceleration:	1,200°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

A-Axis (Spindle pivoting axis)	
Pivoting angle:	220° (+/-110°)
Pivoting torque:	570 Nm
Clamping torque:	2,000 Nm
Revolution:	360°/s
Axis acceleration:	1,200°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)



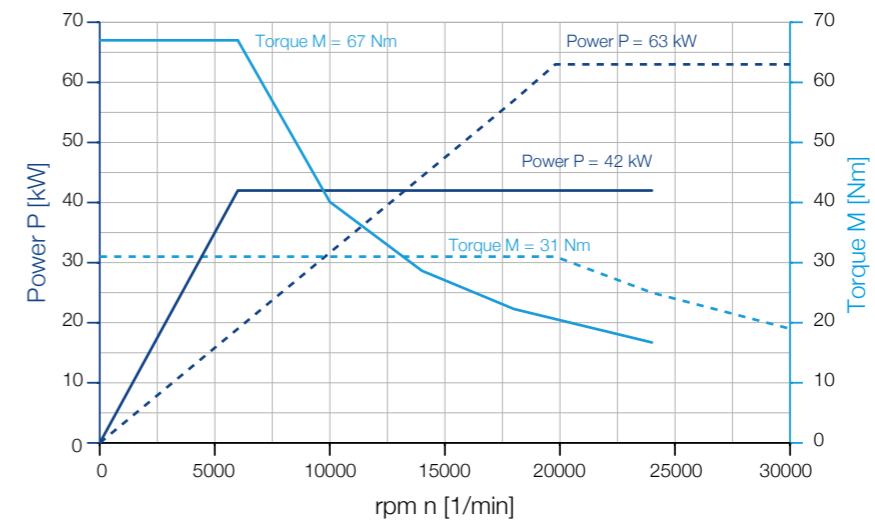
TORQUE MOTORS  
IN C- AND A-AXIS

DIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

OPTIONALLY AVAILABLE WITH  
SUCTION AROUND THE SPINDLE

SPINDLE DATA

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle ———	HSK-A63	42	24,000	67
HF-Milling spindle - - - - -	HSK-A63	63	30,000	31



S1 100% DC

Milling spindles with other performances data on request

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	1,500 Nm
Clamping torque:	6,000 Nm
Revolution:	70°/s
Axis acceleration:	800°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

## A-Axis (Spindle pivoting axis)

Pivoting angle:	220° (+125°/-95°)
Pivoting torque:	1,500 Nm
Clamping torque:	6,000 Nm
Revolution:	70°/s
Axis acceleration:	800°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

PRECISION WORM GEAR  
IN C- AND A-AXISDIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

MH 6

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	3,000 Nm
Clamping torque:	6,000 Nm
Revolution:	360°/s
Axis acceleration:	800°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

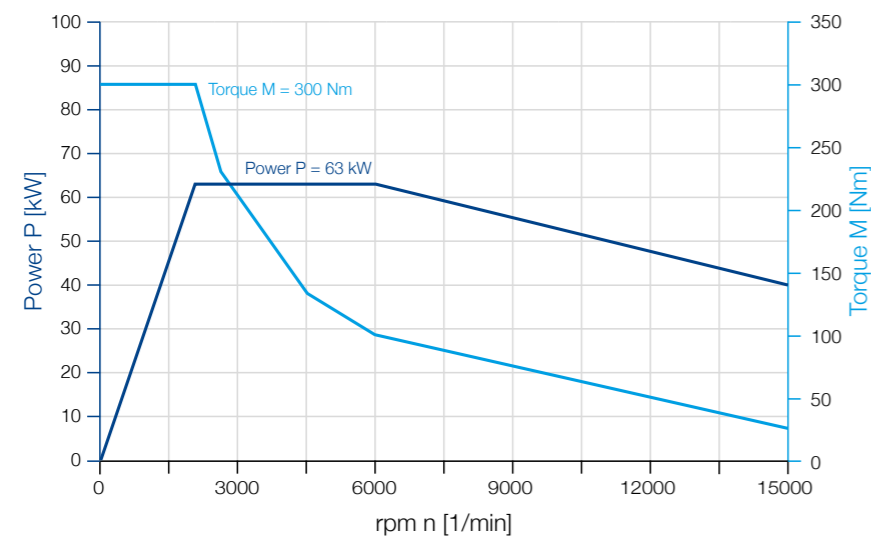
## A-Axis (Spindle pivoting axis)

Pivoting angle:	220° (+/-110°)
Pivoting torque:	3,000 Nm
Clamping torque:	6,000 Nm
Revolution:	360°/s
Axis acceleration:	800°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

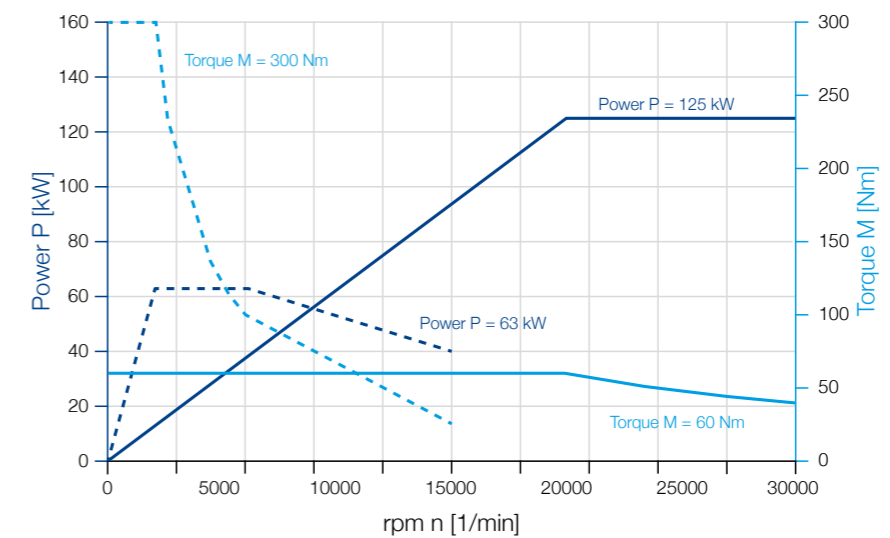
TORQUE MOTORS  
IN C- AND A-AXISDIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

MH 8

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle	HSK-A100	63	15,000	300

S1 100% DC  
Milling spindles with  
other performances  
data on request

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle	HSK-A63	125	30,000	60
HF-Milling spindle	HSK-A100	63	15,000	300

S1 100% DC  
Milling spindles with  
other performances  
data on request

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	800 Nm
Clamping torque:	1,600 Nm
Revolution:	60°/s
Axis acceleration:	600°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

## A-Axis (Spindle pivoting axis)

Pivoting angle:	220° (+/-110°)
Pivoting torque:	800 Nm
Clamping torque:	1,600 Nm
Revolution:	60°/s
Axis acceleration:	600°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)



TORQUE MOTORS  
IN C- AND A-AXIS

DIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

WITH INTEGRATED  
SUCTION UNIT

MH 9

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	350 Nm
Clamping torque:	760 Nm
Revolution:	300°/s
Axis acceleration:	600°/s <sup>2</sup>
Position accuracy:	15" (0,0041°)
Position deviation:	10" (0,0027°)

## A-Axis (Spindle pivoting axis)

Pivoting angle:	220° (+/-110°)
Pivoting torque:	350 Nm
Clamping torque:	840 Nm
Revolution:	300°/s
Axis acceleration:	600°/s <sup>2</sup>
Position accuracy:	15" (0,0041°)
Position deviation:	10" (0,0027°)

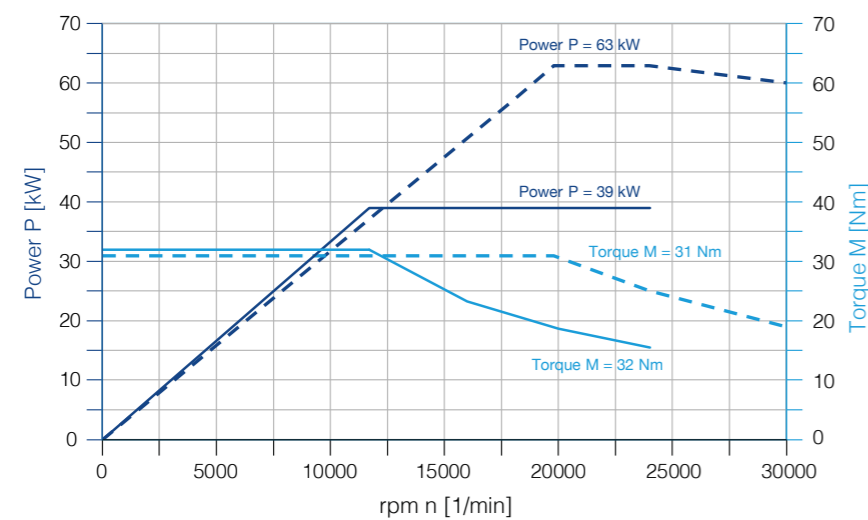


TORQUE MOTORS  
IN C- AND A-AXIS

DIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

MH 10

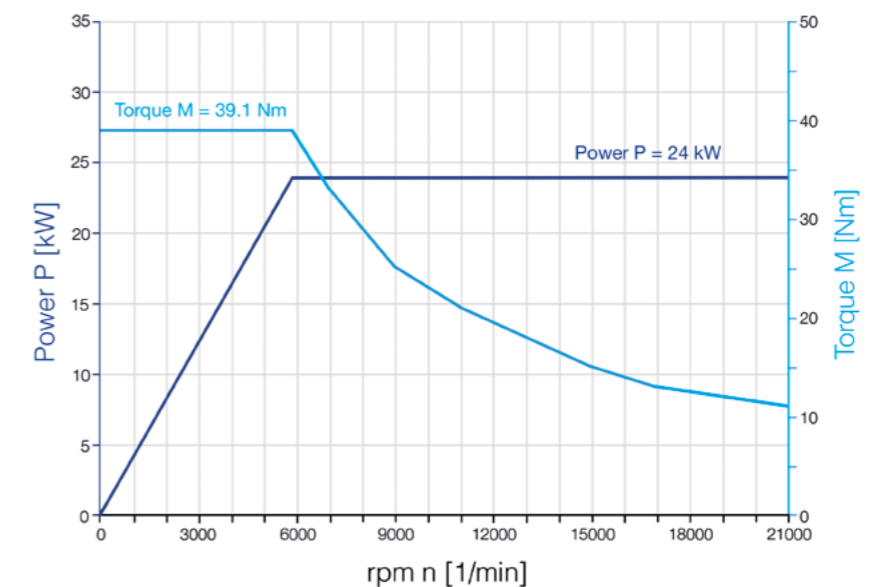
High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle —	HSK-A63	39	24,000	32
HF-Milling spindle - - -	HSK-A63	63	30,000	31



S1 100% DC

Milling spindles with  
other performances  
data on request

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle —	HSK-A63	24	21,000	39.1



S1 100% DC

Milling spindles with  
other performances  
data on request

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	350 Nm
Clamping torque:	840 Nm
Revolution:	300°/s
Axis acceleration:	600°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

## A-Axis (Spindle pivoting axis)

Pivoting angle:	220° (+/-110°)
Pivoting torque:	350 Nm
Clamping torque:	840 Nm
Revolution:	300°/s
Axis acceleration:	600°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)



TORQUE MOTORS  
IN C- AND A-AXIS

DIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

OPTIONALLY AVAILABLE WITH  
SUCTION AROUND THE SPINDLE

MH 11

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	2,500 Nm
Clamping torque:	5,500 Nm
Revolution:	360°/s
Axis acceleration:	1,200°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

## A-Axis (Spindle pivoting axis)

Pivoting angle:	220° (+/-110°)
Pivoting torque:	1,100 Nm
Clamping torque:	6,900 Nm
Revolution:	360°/s
Axis acceleration:	1,200°/s <sup>2</sup>
Position accuracy:	15" (0.0041°)
Position deviation:	10" (0.0027°)

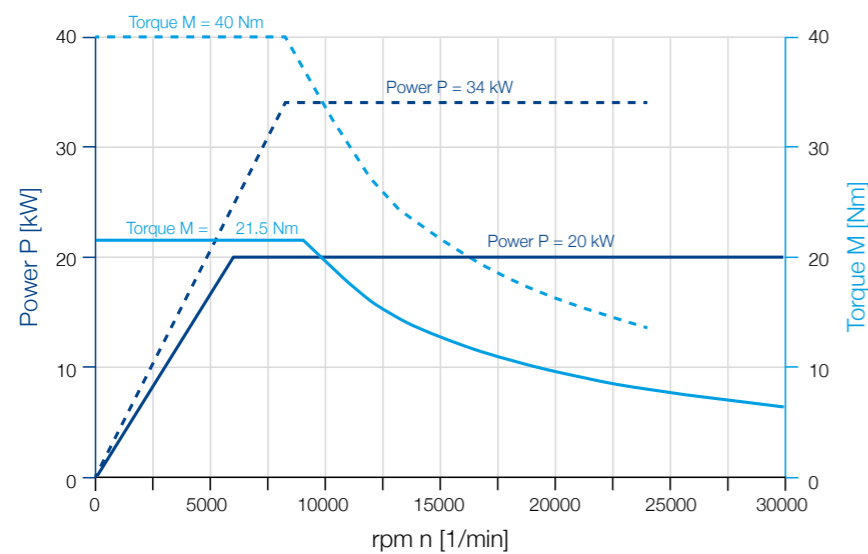


TORQUE MOTORS  
IN C- AND A-AXIS

DIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

MH 12

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle —	HSK-A63	20	30,000	21.5
HF-Milling spindle - - -	HSK-A63	34	24,000	40

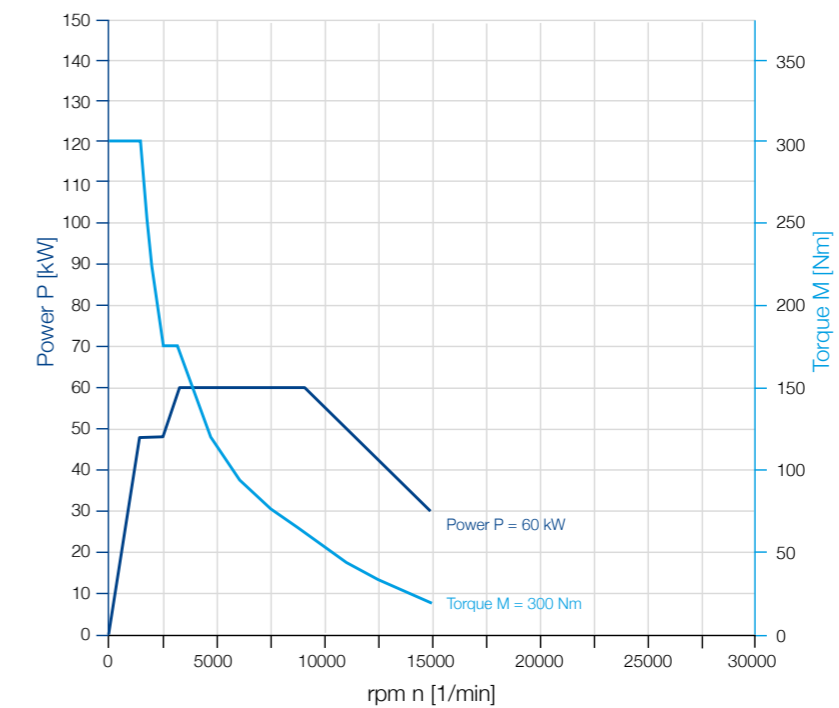


S1 100% DC

Milling spindles with  
other performances  
data on request

Technical changes reserved.

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle —	HSK-A100	60	15,000	300



S1 100% DC

Milling spindles with  
other performances  
data on request

Technical changes reserved.

## C-Axis (Milling head rotary axis)

Pivoting angle:	550° (+/-275°)
Pivoting torque:	560 Nm / 1.139 Nm
Clamping torque:	3.000 Nm
Revolution:	360°/s
Axis acceleration:	1.200°/s <sup>2</sup>
Position accuracy:	15" (0,0041°)
Position deviation:	10" (0,0027°)

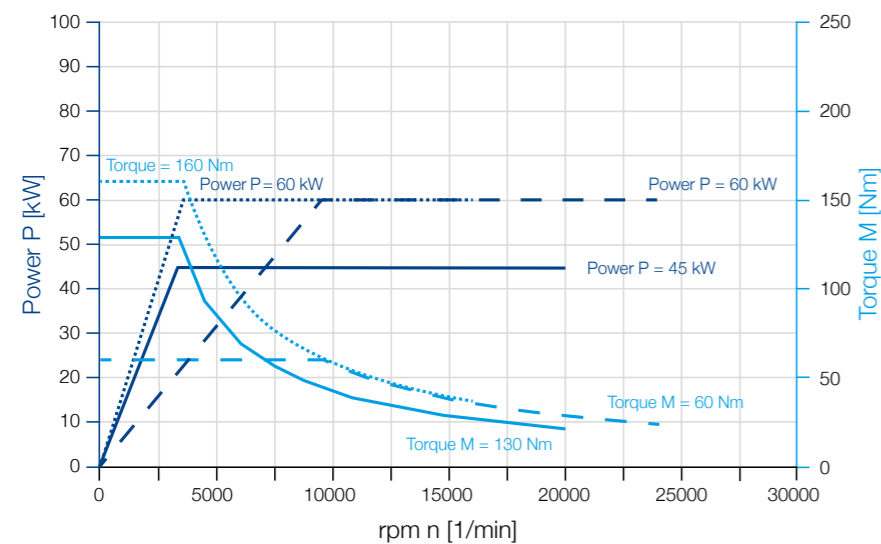
## A-Axis (Spindle pivoting axis)

Pivoting angle:	240° (+/-120°)
Pivoting torque:	550 Nm / 1.100 Nm
Clamping torque:	2.160 Nm
Revolution:	360°/s
Axis acceleration:	1.200°/s <sup>2</sup>
Position accuracy:	15" (0,0041°)
Position deviation:	10" (0,0027°)

TORQUE MOTORS  
IN C- AND A-AXISDIRECT MEASURING SYSTEM  
IN C- AND A-AXIS

MH 15

High-frequency milling spindle	Tool holding fixture	max. Power [kW]	max. rpm [1/min]	max. Torque [Nm]
HF-Milling spindle —	HSK-A63	45	20.000	130
HF-Milling spindle - - -	HSK-A63	60	24.000	60
HF-Milling spindle ·····	HSK-A100	60	16.000	160



S1 100% DC

Milling spindles with  
other performances  
data on request





## HEADQUARTER

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### FOOKE - LOCATIONS

Find the contact person.