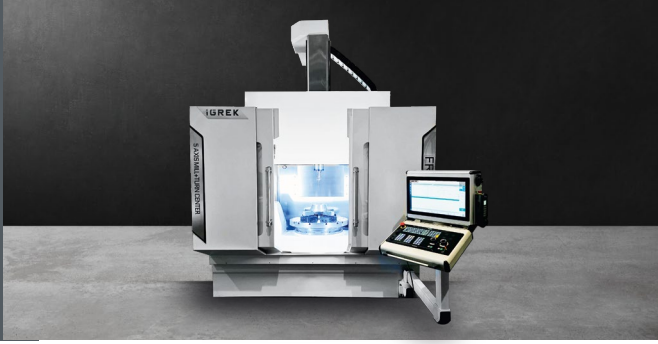


FR 800T



FR 1000T



TT SERIES

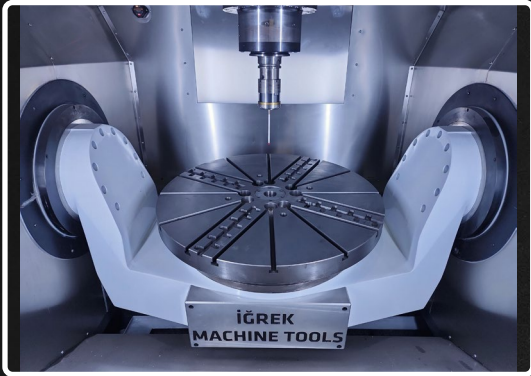
5-AXIS MILL + TURN CENTERS
WITH ROTO - TILTING TABLE



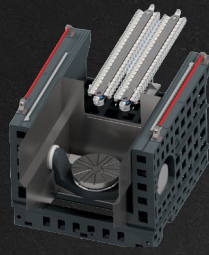
WORKING
VIDEO
SCAN, WATCH!

FR 800T

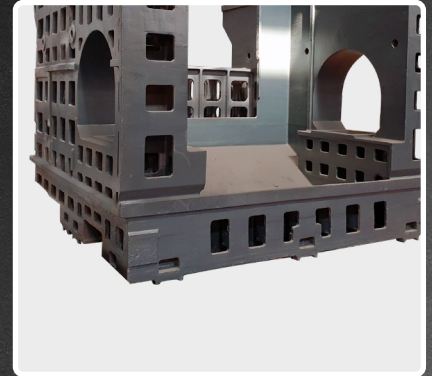
5-AXIS MILL TURN CENTER



Ø800 mm 450 rpm
ROTO - TILTING TABLE



1500 KG
LOAD CAPACITY



MONOBLOCK
CAST IRON BODY

MILLING CAPACITY
X x Y x Z = 900 x 900 x 600 mm

A **COMPACT YET POWERFUL MACHINE TOOL** DESIGNED FOR **HIGH PRECISION** AND **EFFICIENCY**. WITH ITS **RIGID CAST IRON MONOBLOCK BODY** AND **ADVANCED AUTOMATION**, PERFORMS ALL **COMPLEX MILLING AND TURNING OPERATIONS IN A SINGLE SETUP**.



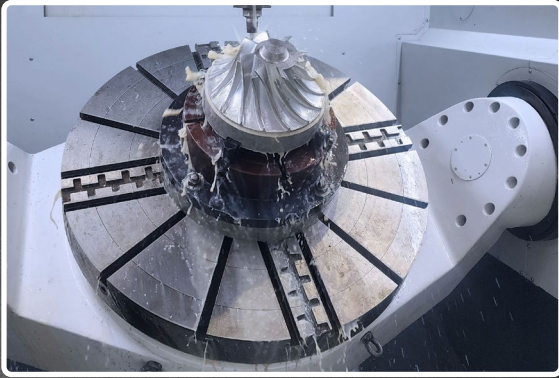
WORKING
VIDEO

SCAN, WATCH!

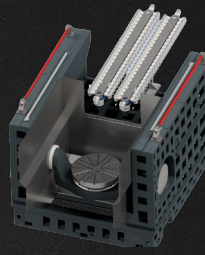


FR 1000T

5-AXIS MILL TURN CENTER



Ø1000 mm **600** rpm
ROTO - TILTING TABLE



2000 KG
LOAD CAPACITY



MONOBLOCK
CAST IRON BODY

MILLING CAPACITY
X x Y x Z = 1350 x 1500 x 600 mm

A LARGE SIZED **HIGH-END** MACHINE FOR **PRECISE MILLING** AND **TURNING OPERATIONS**. WITH ITS **CAST IRON SINGLE BLOCK BODY STRUCTURE** AND **SUPERIOR AUTOMATION**, CAPABLE OF PROCESSING ALL OPERATIONS OF **COMPLEX GEOMETRY PARTS**.

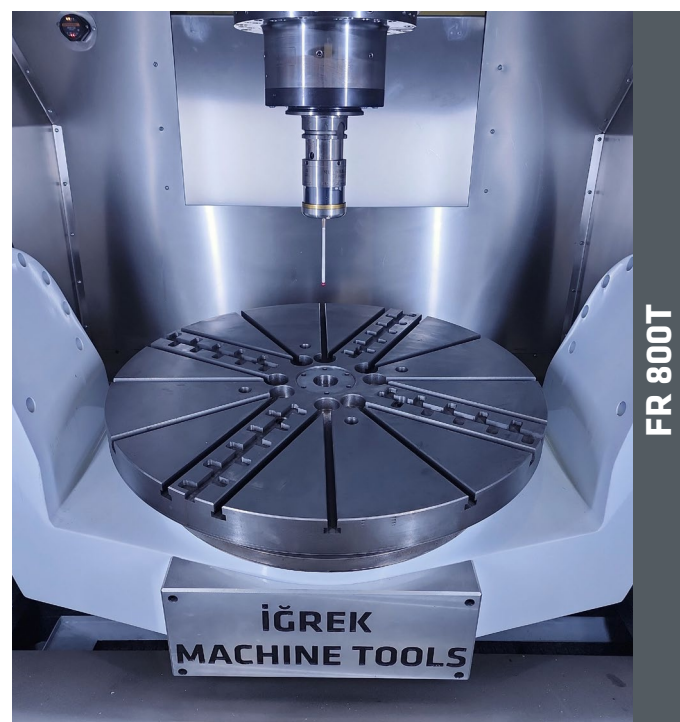
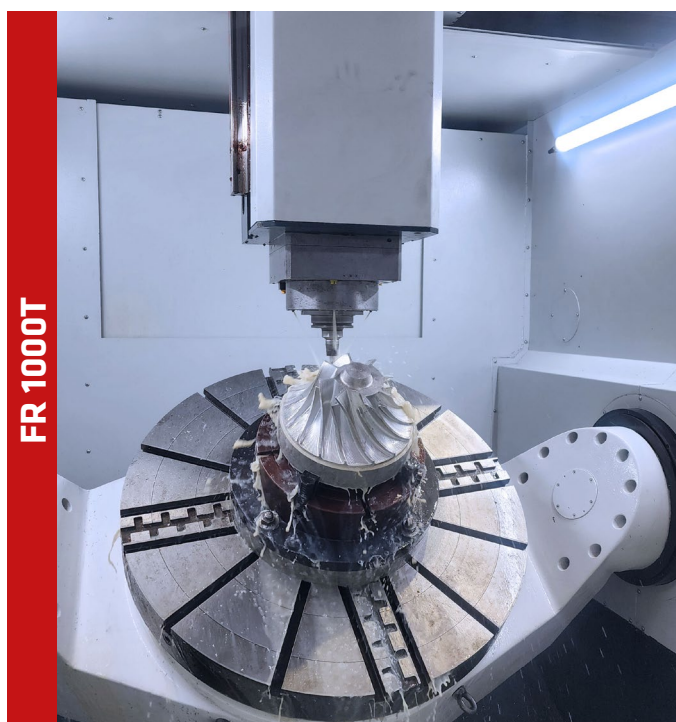


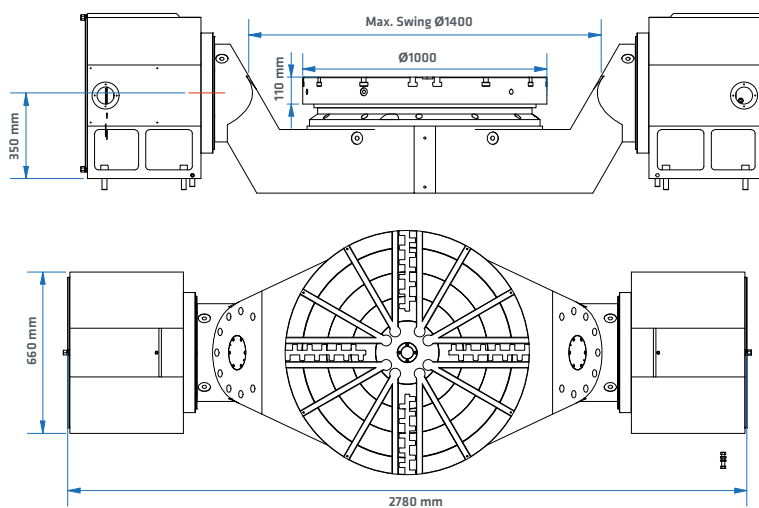
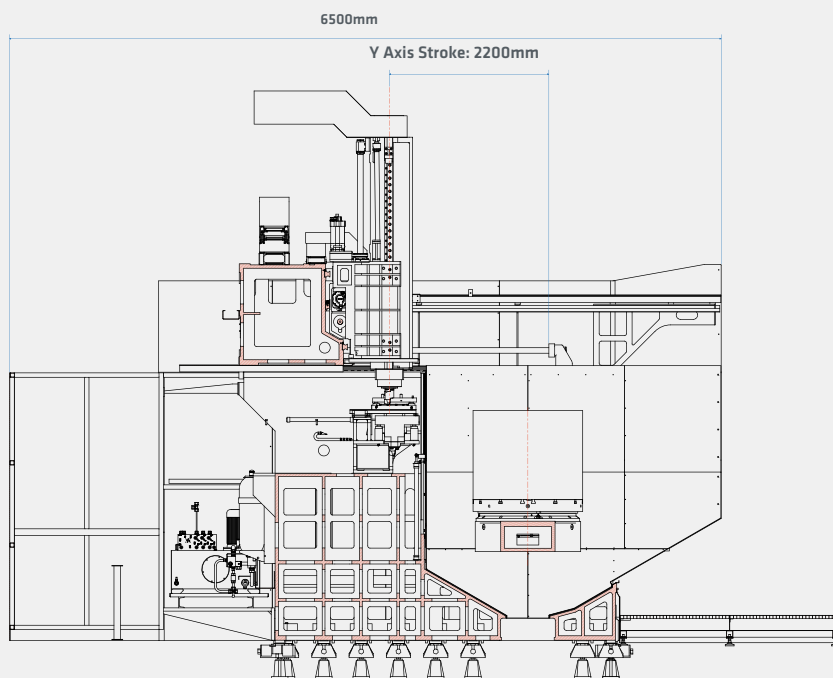
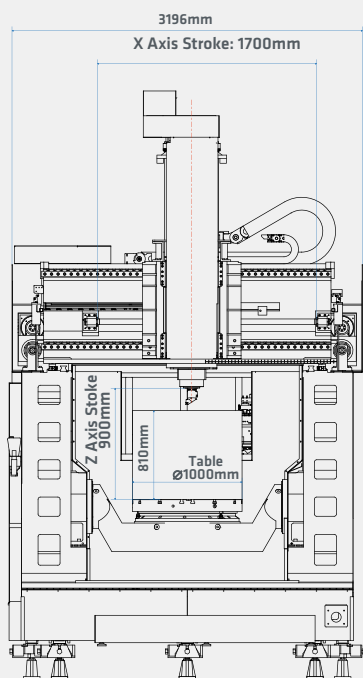
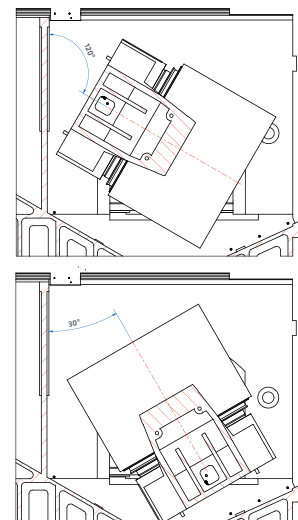
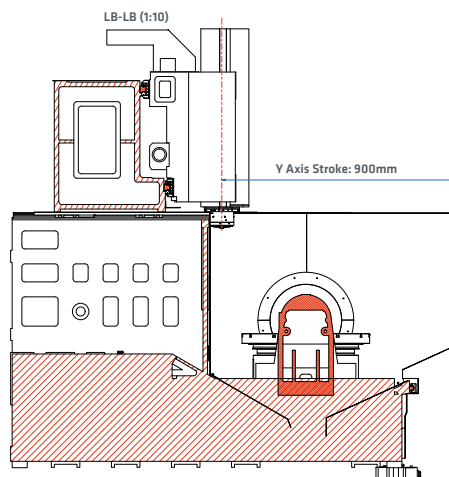
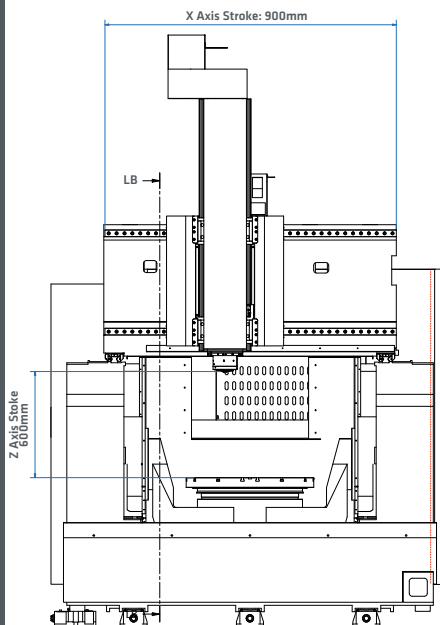
WORKING
VIDEO
SCAN, WATCH!



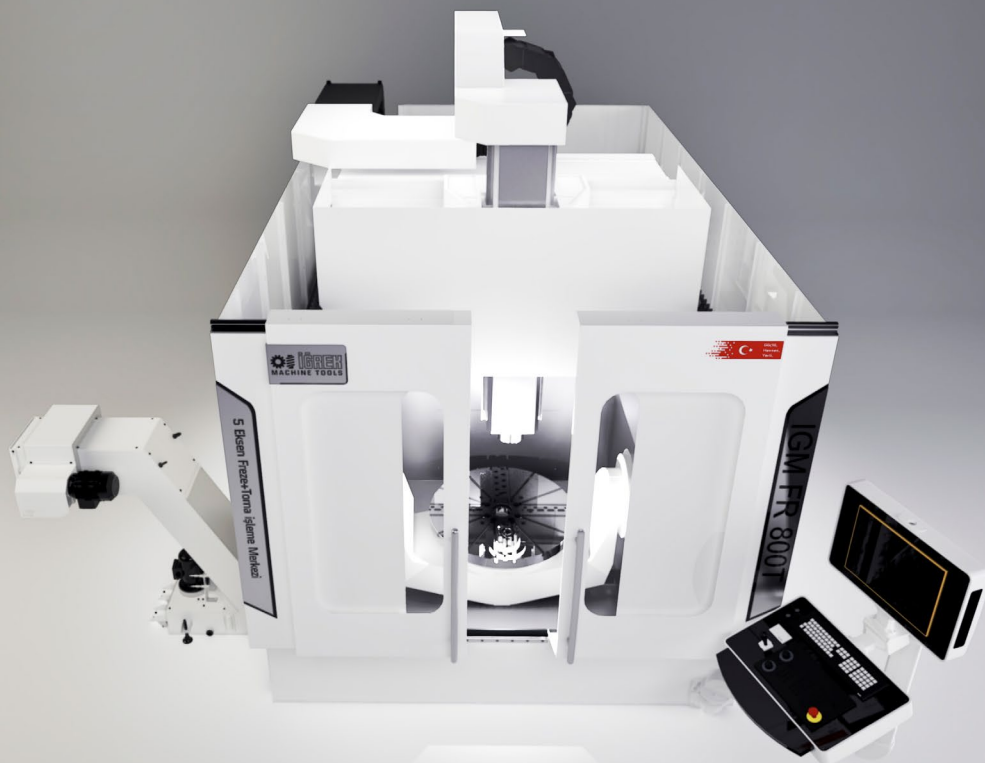
TECHNICAL DETAILS			FR 800T	FR 1000T
General Features				
Stroke	mm	X x Y x Z	900 x 900 x 600	1350 x 1500 x 900
A-Axis Rotation	°		± 120	± 120
C-Axis Rotation	°		∞ 360	∞ 360
Accerelation	m/s ²	Y	4	4
		X	40	40
Rapid Feedrate	m/min	Y	40	40
		Z	40	40
Spindle				
Spindle Speed	rpm		20000	15000
Spindle Power	kW		25	35
Spindle Torque	Nm	S1	87	220
Tooling Taper Type			HSK-T63	HSK-T100
Tilting Table Properties				
Max. Workpiece Diameter	mm		800	1000
A-Axis Stroke	°		± 120	± 120
A-Axis Nominal Power	kW		12	20,34
A-Axis Max. Speed	rpm		100	100
A-Axis Max. Brake Torque	Nm		6000	10000
C-Axis Power	kW		54,2	43
C-Axis Max. Speed	rpm		450	600
C-Axis Nominal Torque	Nm		2080	3176
C-Axis Max. Brake Torque	Nm		3800	10000
Table Load	kg		1500	2000
Physical Characteristics				
Length x Width x Height		X x Y x Z	2550 x 4400 x 3700	3200 x 6400x 4050
Weight	kg		18000	40000
ATC Capacity			40	48
CNC Controller			SIEMENS, FANUC, HEIDENHAIN	

ALL EQUIPMENT USED IN OUR MACHINES ARE SELECTED FROM THE TOP SERIES OF THE LEADING BRANDS IN THEIR CLASS. HIGH QUALITY SUSTAINABILITY IS MAINTAINED WITH STRONG COMMUNICATION AND SUPPORT WITH OUR SUPPLIERS.



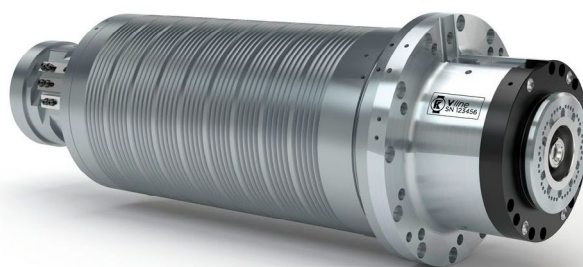


FR 800T



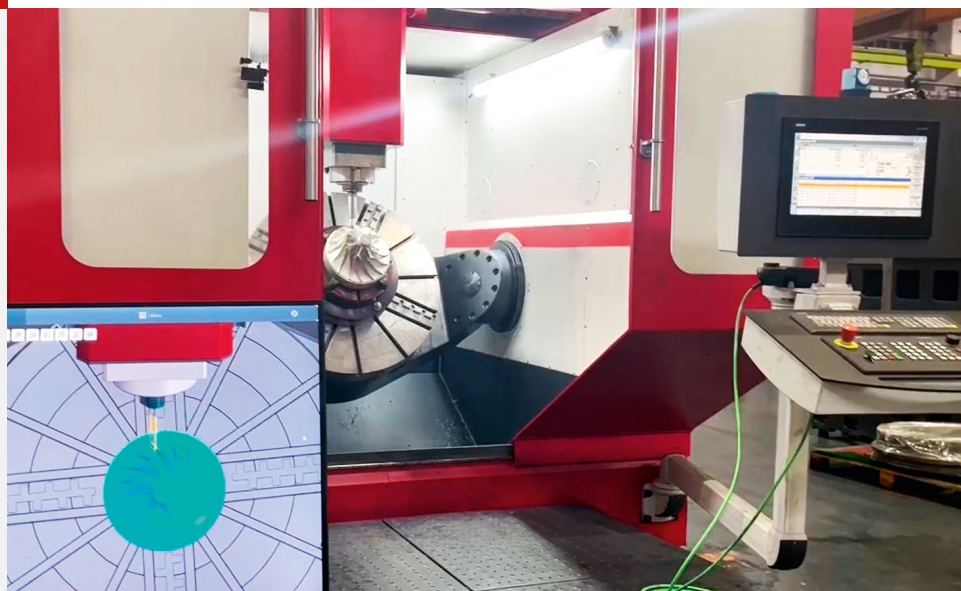
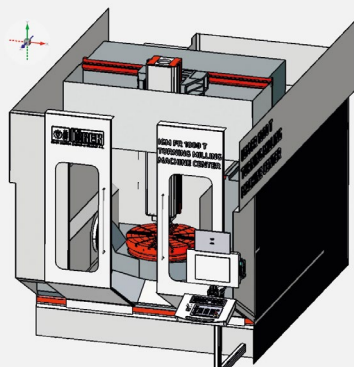
SPINDLE

SPINDLE FITTING: $\varnothing$ 202 mm
KESSLER COOLMOTION® MOTOR
 ROTARY UNION: **COOLANT THROUGH SPINDLE (CTS)**
 COOLING: **CLOSED COOLING CIRCUIT**
 BEARING LUBRICATION: **OIL-AIR**
 DRIVE CONSTRUCTION: **ASYNCHRONOUS**
 SPEED MAX.: **20000** rpm
 TORQUE S1: **87** Nm
 POWER S1: **25** kW
 TOOL HOLDER: **HSK-T63**



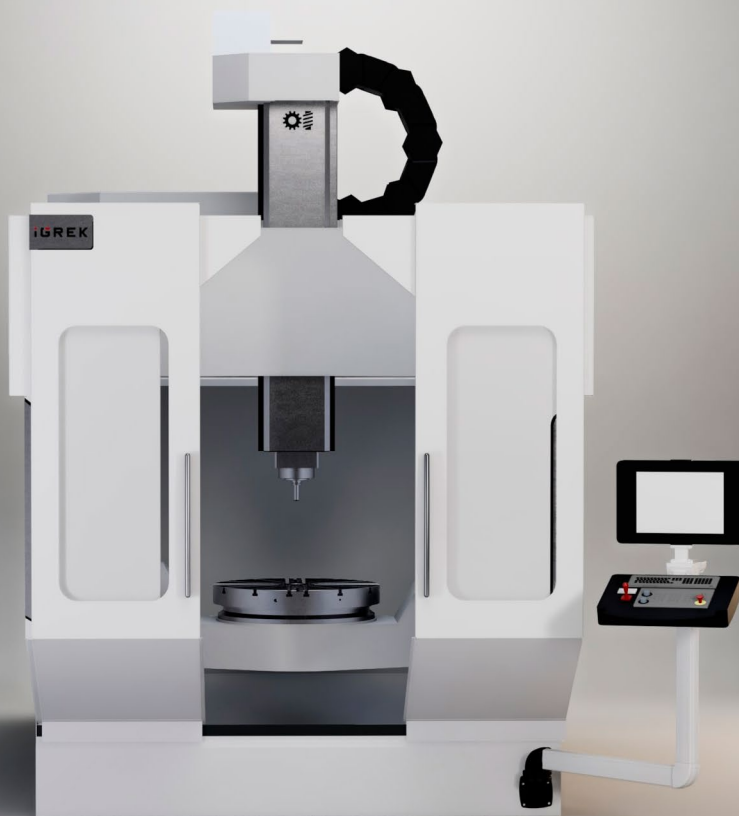
DIGITAL TWIN

INDUSTRY 4.0 SERVICES



COLLISION AVOIDANCE

FR 1000T

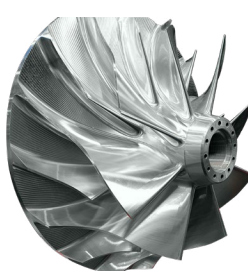


SPINDLE

SPINDLE FITTING: Ø 240 mm
KESSLER COOLMOTION® MOTOR
 ROTARY UNION: **COOLANT THROUGH SPINDLE (CTS)**
 COOLING: **CLOSED COOLING CIRCUIT**
 BEARING LUBRICATION: **OIL-AIR**
 DRIVE CONSTRUCTION: **ASYNCHRONOUS**
 SPEED MAX.: **15000** rpm
 TORQUE S1: **220** Nm
 POWER S1: **35** kW
 TOOL HOLDER: **HSK-T100**



MILLING EXAMPLES



HIGH SPEED,
HIGH TECHNOLOGY,
HIGH PRECISION,
MACHINE TOOLS,
“MADE IN **TÜRKİYE**”

FOLLOW ON
YOUTUBE

SCAN, WATCH!



HEADQUARTERS

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