

# EMAG Track Motion Cell



# Capability

## ➤ Turning

Chuck diameter, max.	mm	<b>260</b>
Workpiece diameter, max.	mm	<b>200</b>
Workpiece length, max.	mm	<b>200</b>
X-axis travel	mm	<b>740</b>
Z-axis travel	mm	<b>400</b>
Y-axis travel (optional)	mm	<b>± 30</b>
Main spindle: Power rating at 40 % / 100 % duty cycle	kW	<b>25 / 18</b>
Main spindle: Torque at 40 % / 100 % duty cycle	Nm	<b>280 / 202</b>
Main spindle: Speed, max.	1/min	<b>4,500</b>
Turret tool stations, Qty		<b>12</b>
Rapid-traverse rate X / Y / Z	m/min	<b>60 / 15 / 30</b>
Speed driven tools	1/min	<b>6,000</b>
Torque driven tools, 30% / 100%	Nm	<b>27 / 15</b>

## ➤ Hobbing

Workpiece diameter, max.	mm	<b>200</b>
Workpiece length, max.	mm	<b>350</b>
Hobbing length, max.	mm	<b>150</b>
X-axis travel	mm	<b>790</b>
Y-axis travel	mm	<b>120</b>
Z-axis travel	mm	<b>400</b>
Angle of inclination	Grad degrees	<b>± 35</b>
Module, max.		<b>4</b>

# Typical Products



# Benefits



Parts complete in one operation, from blank or billet. Ideal for 2 operation components (with optional 3<sup>rd</sup> op gear forming)



OP 10



OP 20



OP 30 + 40

Automated solution that combines the traditional setup of conveyor belts, pick-and-place units and turn-overs into a single system

# Benefits



The Chamfering process ensures high contour accuracy and repeatability

With the “ChamferCut”, chamfers can be created on the front edges of gearwheels with precision and repeatability, after gear hobbing. The deburring technology is ideal for components without any interfering contours, and ensures the best chamfering quality.



In line deburring direct after hobbing