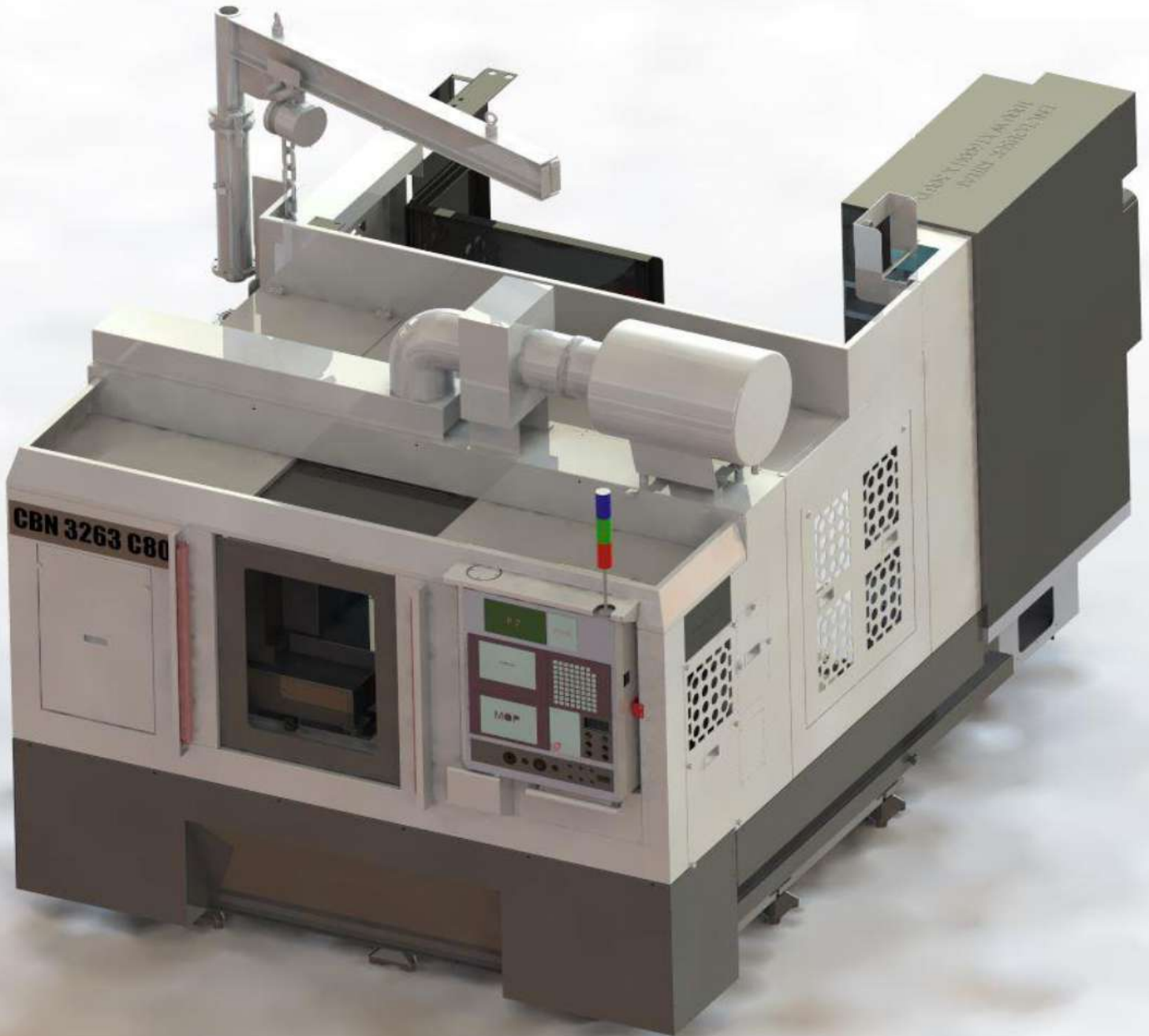


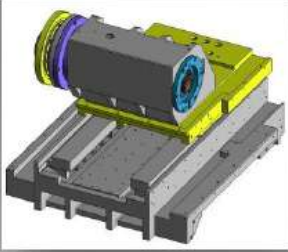
CSG

Cam Shaft Grinder



CSG-3263 has been specifically developed to meet the high quality and productivity demands of Cam-lobe grinding operations using CBN grinding wheels

HYDROSTATIC SLIDE



- Low Friction slide
- 350Kg mass is easily displaced by human effort.
- High Static Rigidity
- High Thermal Stability

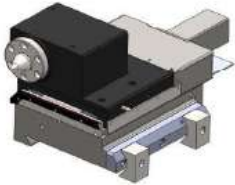
LINEAR MOTOR



- No ball screw/ ball nuts etc. leading to:
 - Reduced inertia due to lower no. of parts
 - Reduced friction due to zero metal to metal contact
 - Zero problems of back lash

- High Speeds and faster response to facilitate high frequency oscillation
- High Machine Stiffness

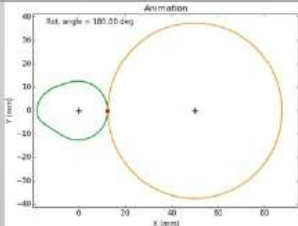
TAILSTOCK



- High stiffness due to low quill overhang
- Interchangeability of centres by changing sleeve
- Easy maintenance due to lesser parts

- High positioning accuracy due to no quill movement
- Faster actuation due to low friction movement through anti-friction guideways

CAM GRINDING SOFTWARE



MGT Developed Cam Grinding Software is capable of automatically generating the grinding program based on the component profile

- The Software is divided into three modules:
 - Input Module
 - Analysis Module
 - Process Module

SPECIFICATIONS			
CAPACITY	U/M	CSG 3263	CSG 3263+
Swing over table (dia)	mm	320	
Grinding diameter	mm	100	
Admit between centres	mm	630	
Max. weight of job between centres	Kg	50	
Machine Weight	Tonne	8	
WHEEL HEAD			
Drive		Induction Motor	
Grinding wheel size (OD X Max Width)	mm	Ø350 X 35	
Peripheral (surface) speed - Max	m/s	80	
Power	kW	15/22	
Type of spindle bearing		Anti friction / Hydrostatic	
WORK HEAD		CSG 3263	CSG 3263+
Centre Type		Live Centre	Live Centre
Motor Type		Direct Drive	Built - In
Spindle speed	RPM	3000	400
Motor Torque	N-m	40	135
TAIL STOCK			
Dead Centre Tail Stock Assembly with Hydraulic Actuation			
Stroke	mm	50	50
IN FEED AXIS (X-axis)		CSG 3263	CSG 3263 +
Slide Bearing		Hydrostatic	Hydrostatic
Motor Type		Servo Motor with Ball Screw	Linear Motor drive
Motor Power	kW	6	8
Working stroke (Radial)	mm	280	300
TRAVERSE AXIS (Z-axis)			
Motor Power	kW	4	
Total Stroke	mm	850	
Min. Increment/ pulse	mm	0.001	
DRESSER			
Rotary Disc dresser	mm	Dia.100/130	
Max.Pheripheral speed	rpm	15000	
GENERAL			
CNC System		Fanuc -3li	
Floor Space (including coolant tank)	mm	4800(F) x 3600(D) x 2600(H)	
Machine Weight	Kg	8000(Approx.)	
SOFTWARE			
MGT Developed Cam grinding software for generating CNC codes based on cam profile. integrated into CNC			



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