



CINCINNATI GEARING SYSTEMS

Machining Capabilities

HOBBING/GASHING

Minimum OD	.5"	(12.5 mm)
Maximum OD	149"	(3,785 mm)
Minimum NDP	64	(.40 Module)
Maximum NDP	1.5"	(25.4 Module)
Maximum Face Width	54"	(1,372 mm)
Maximum Helix Angle	45°	

GEAR SHAPING

Maximum Internal	55"	(1,270 mm)
Maximum NDP	2	(12.7 Module)
Maximum Face Width	9.4"	(203 mm)

MILLING

Maximum X Axis	200"	(5,080 mm)
Maximum Y Axis	70"	(1,524 mm)
Maximum Z Axis	40"	(1,016 mm)

TURNING

Outside Diameter	106.3"	(2,700 mm)
Maximum Height	79"	(2,007 mm)
Shaft Outside Diameter	40"	(1,016 mm)
Shaft Length	120"	(3,048 mm)

TOOTH GRINDING

<i>External Diameter</i>		
Minimum	.75"	(19.05 mm)
Maximum	138"	(3505 mm)
<i>Internal Diameter</i>		
Minimum	.5"	(12.7 mm)
Maximum	134"	(3403.6 mm)
<i>Diametral Pitch</i>		
Minimum	16 NDP	(1.58 Module)
Maximum	.75 DP	(33.87 Module)
Working Stroke	31.5"	(800 mm)

OD/ID/SURFACE GRINDING

<i>External</i>		
Maximum OD	42"	(1,067 mm)
Maximum Length	96"	(2,438 mm)
<i>Internal</i>		
Minimum OD	.75"	(19 mm)
Maximum OD	32"	(813 mm)
Minimum ID	.5"	(12.5 mm)
Maximum ID	24"	(610 mm)
Bore Length	13.5"	(343 mm)



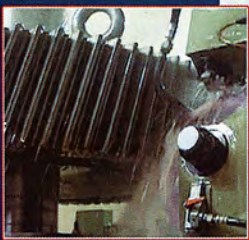
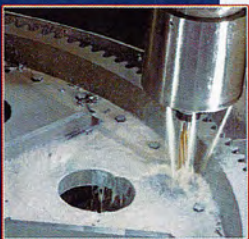
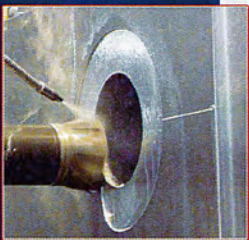
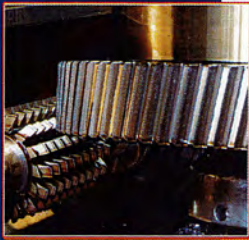
Liebherr
CNC Shaper Cutter



Höfler Porta
Internal & External Gear Grinder



Kapp Niles
Gear Grinder





CINCINNATI GEARING SYSTEMS INC.

NEW MACHINES, NEW CAPABILITIES.



**Liebherr LS1400 E
CNC Shaper Cutter**



**Kapp Niles
Gear Grinder**



**Hyundai KBN135
Horizontal Boring Mill**



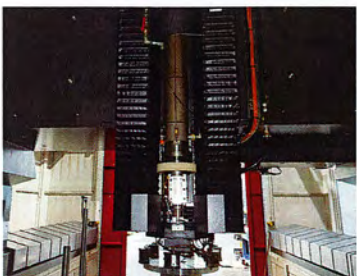
**Hyundai KF5600
Vertical Mill**



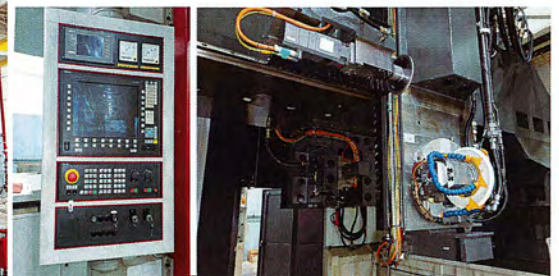
**Hyundai 300LC
CNC Turning Center**



**Gleason 3000 GMS
Gear Analyzer**



Höfler Porta 3500



Internal & External Gear Grinder