







<b>Machine Id</b>	<b>:- 990</b>	<b>Serial No</b>	<b>:-</b>
<b>Category</b>	<b>:- Gear Shapers</b>	<b>Model</b>	<b>:- WS 1</b>
<b>Country</b>	<b>:- Germany</b>	<b>Make</b>	<b>:- LIEBHERR</b>
<b>Type of Machine</b>	<b>:- high speed gear shaper with Spur Guide , Hydraulic Tail stock and clamping</b>	<b>Year</b>	<b>:- 1989</b>
<b>Weight</b>	<b>:- 0.0</b>	<b>Dimensions</b>	<b>:-</b>
<b>Power</b>	<b>:-</b>	<b>Location</b>	<b>:-</b>

Specification :-

External gears, max. $\emptyset$ , approx.		<b>265 mm</b>
Internal gears, max. workpiece $\emptyset$		<b>300 mm</b>
Gear width, max.	<b>50 mm</b>	
Module range		<b>0.3 - 6</b>
Length of stroke		0 - 80 mm
No. of strokes, infinitely variable		220 –1,100 /min
Feed range		2.4 –2,400 mm/min
Rotary feed		0.06 –4.95 mm/rev
Weight, approx.		7,300 kg