Machine Id	***:-***	***972***	**Serial No**	**:-**	
Category	**:-**	**Gear Related Machines**	**Model**	**:-**	**ZSA 220**
Country	**:-**	**Germany**	**Make**	**:-**	**Hurth**
Type of Machine	**:-**	**Gear Related Machine**	**Year**	**:-**	
Weight	**:-**	**0.0**	**Dimensions**	**:-**	
Power	**:-**		**Location**	**:-**	**Mumbai Warehosue, India**

Specification :-

Rebuilt 2014 Machine, Like New.

Hurth Machine is ideal for parallel shaving,

cross shaving, and diagonal shaving of unhardened spur gears with straight or helical teeth

Centre height of tailstocks	**115 mm**
Clamping length between centres	**750 mm**
Gear Ø	**25 –220 mm**
Module	**1 - 6**
Gear width, max.	**150 mm**
Shaving cutter head swivelling	**+/- 23°**
8 speeds of cutter spindle	**36 - 220 rpm**
Dimensions of shaving cutter Øx width x bore	**175 –260 x 20 x 100 mm**
Table swivelling	**180 °**
Table size, approx.	**200 x 1100 mm**
Table movement, horizontal	**150 mm**
Table movement, cross	**20 mm**
table movement, vertical	**175 mm**
automatic Vertical infeed	**0,02 –0,2 mm**
8 Horizontal table feeds	**14 –130 mm/min**
Total electrical load, approx.	**5.5 kW - 380 V - 50 Hz**
Weight, approx.	**5,000 kg**

Accessories / Special Features:

* **Built-on under table mechanical Crowning Device, also for Taper Shaving**
* **Parallel Shaving Process / Diagonal Shaving Process / Underpass Shaving Process**
* **Semi-automatic Work Process Start by Hydraulic Closing of the Splash Guards**
* **Hydraulic tailstock on the right.**
* **Workpiece setting gauge.**
* **various change gears for speeds and table stroke.**
* **Cooling oil filter unit with pump and built-on centrifuge Model Z 15.**
* **Separate hydraulic unit.**
* **For and extra charge: selection of shaving cutters.**

Machine is ideal for parallel shaving, cross shaving, and diagonal shaving of unhardened spur gears with straight or helical teeth.

Machine is having AC VFD for Spindle Speed and Table traverse speed.

You can change Spindle speed and Table feed by POT.

For a particular change gears of both drive, Operator can change speed and feed up to certain limit practically it can take load.

This is a feature added to shaver m/c and prepared as an advance shaver machine