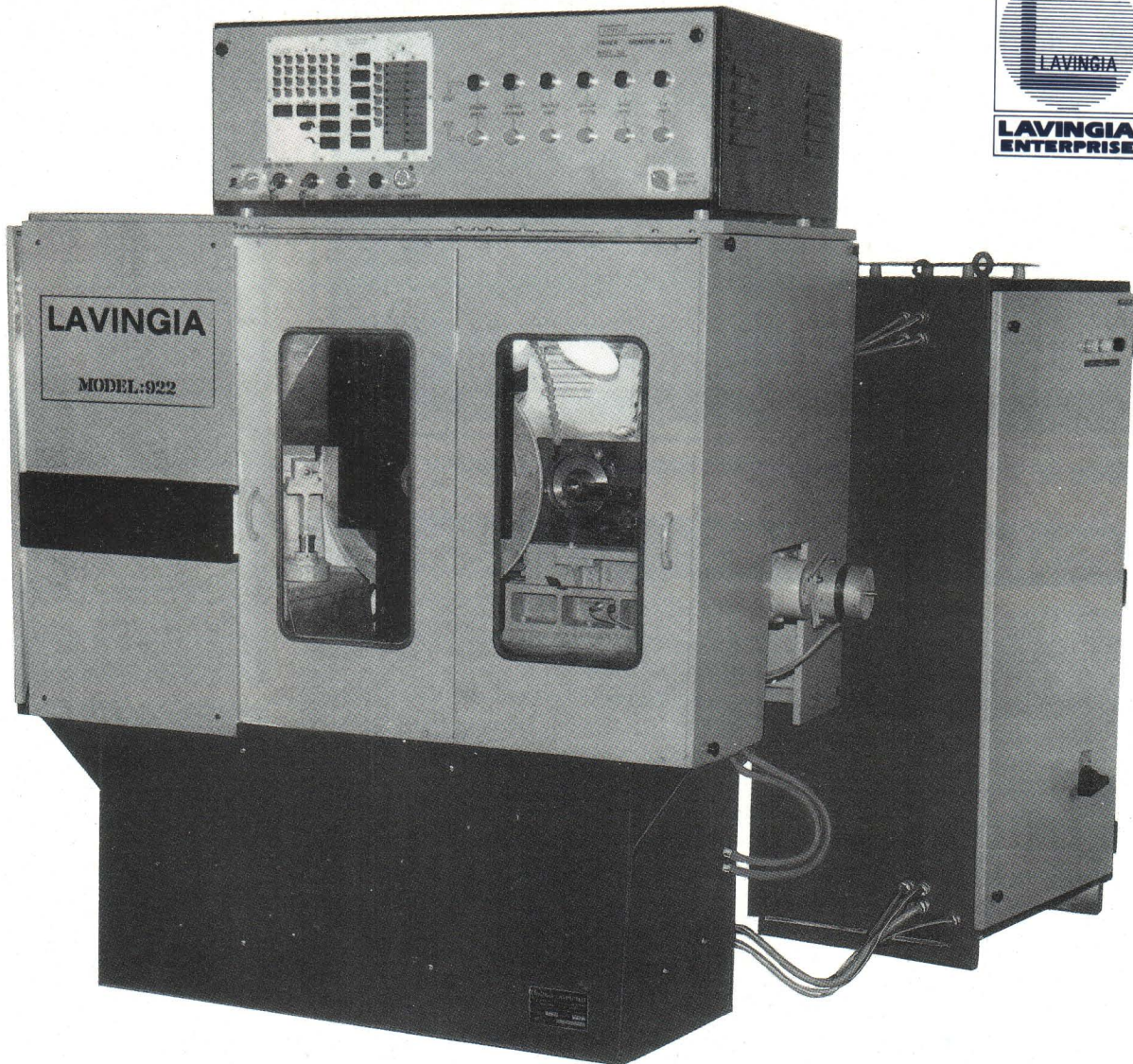


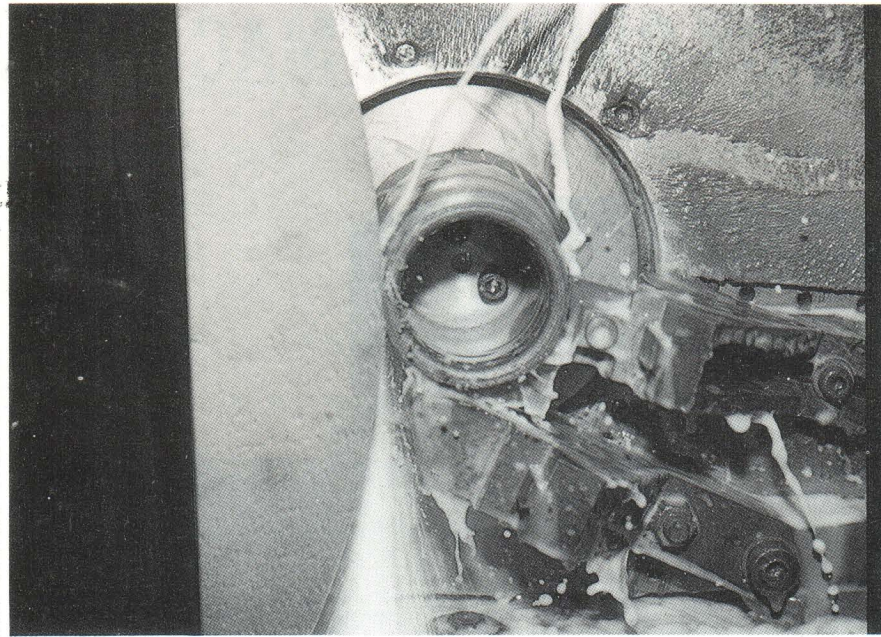
EXTERNAL TRACK GRINDING MACHINE



PRECISE + PRODUCTIVE + RELIABLE

SALIENT FEATURES

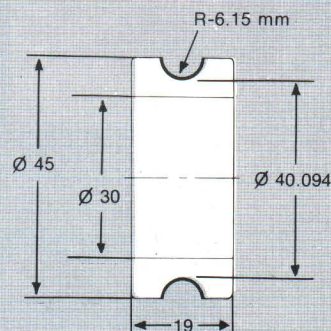
- Work-Head & Dresser slides Move on precesion linear bearing guideways. These are preloaded & have completly play free frictionless movements to achieve an instantaneous & precise reaction to the drives.
- Cutting velocity 45m/sec. (Optional : 60m / sec.) results in high material removal rates & better surface finish.
- Process control by microprocessor Programmable Grinding & dressing parmeters. (Depth of cut, Feed Rates, Dwelis, etc.)
- Work-Head & Dresser slides are provided feed movements with stepper motor drives. The drive signals move the slides in steps of 0.125 micron.



Grinding of Inner Race Track spherical Roller Bearing 22209

APPLICATION DATA

Inner Race Track - Grinding of Rolling Element Bearing.



6206 INNER RING
Cycle Time : 35 Sec.
Stock Removal 0.35 mm (On Dia)
Grinding Accuracies.
Roundness 0.002 mm Max.
Surface Finish 0.4 µ Ra.

SPECIFICATIONS

CONFIGURATIONS	- Straight/Taper Track — Straight dresser - Profiled Track — Spherical - Radius Dresser — Complex - Roller Dresser.
WORK - HEAD	- Center Height - 135 mm. - Speed - upto 800 RPM. - Stepless Speed Variation. - Swivel Range + 25°/-2° Degrees
WORK - HOLDING	- Shoe Centreless with EM Chuck. - Collect/Diaphragm Chuck - Hydraulically Operated.
DRESSING	- Dressers Hydraulically Actuated. - Dressing Frequency. — Between Rough & Finish Grinding - OR "SKIP" Dressing after "X" Pieces [X = 1 to 9]
SIZE CONTROL	- Automatic - by position control of work-slide & Dresser Slide - Auto Dressing Compansation. - Optional - In process Gauging.
WHEEL HEAD	Cartridge type Spindle, supported on Super Precision P4 Class Bearings, grease Lubricated & Sealed
ELECTRICALS	- Power Supply - AC 440 Volt 50 Hz, 3-Phase Connected Load 11-12 KW.
PHYSICAL	- Weight - Approx 2800 Kg. - Floor Space Required. - Approx 2.5 m x 2.5 m

OUR PRODUCT RANGE

1. CYLINDRICAL GRINDING M/c
CH x STROKE / ABC (mm)
85 x 400 / 350
125 x 500 / 750
125 x 650 / 900
150 x 650 / 900
2. ROLL GRINDING M/c (Auto)
CH x STROKE / ABC (mm)
350 x 1200 / 1300
350 x 2000 / 2000
Camber grinding facility.
3. FACE GRINDING M/c (Auto)
(for Circular Cutters)
Dia. 400 mm. Dia. 600 mm.
Dia. 1200 mm. Dia. 2000 mm.
4. INTERNAL GRINDING
M/c (Auto)
— Straight dresser
— Radius dresser
— Diamond Roller dresser
5. SPMs.



LAVINGIA ENTERPRISE

Plot. 4901, Phase IV, GIDC Vatva, Ahmedabad-382 445. Guj. India. Phone : (079) 832401