

**SAM 022455****KELLENBERGER Type KEL-VARIA R175 x 1500**

|                       |                         |
|-----------------------|-------------------------|
| <b>Group</b>          | CNC cylindrical grinder |
| <b>Manufacturer</b>   | KELLENBERGER            |
| <b>Type</b>           | KEL-VARIA R175 x 1500   |
| <b>Controller CNC</b> | GE FANUC Series 18i-T   |
| <b>Year</b>           | 2005                    |



|                                          |                 |
|------------------------------------------|-----------------|
| Centre height                            | 175 mm          |
| Distance between centres                 | 1500 mm         |
| Travels:                                 |                 |
| Z axis                                   | 1650 mm         |
| Workpiece weight on centres max.         | 150 kg          |
| Grinding wheel:                          |                 |
| Diameter                                 | 500 mm          |
| Width                                    | 80 mm           |
| Bore                                     | 203 mm          |
| Diameter                                 | 400 mm          |
| Width                                    | 63 mm           |
| Bore                                     | 127 mm          |
| B axis resolution max.                   | 2.5 °           |
| Grinding wheel speeds:                   |                 |
| stepless                                 |                 |
| from                                     | 1000 t/min      |
| up to                                    | 2150 t/min      |
| Rotatable grinding spindle head (b-axis) | +30° / -210°    |
| Peripheral speed                         | 45 m/s          |
| Max. travel                              | 320 mm          |
| Feed range                               | 7500 mm/min     |
| Work piece spindle head:                 |                 |
| Swivelling range                         | -10 / +100 °    |
| speeds:                                  |                 |
| stepless                                 |                 |
| from                                     | 8 t/min         |
| up to                                    | 800 t/min       |
| Internal mounting cone                   | 5 CM            |
| External short tapered mount             | DIN 55026 Gr. 5 |
| Permitted load capacity                  | 160 Nm          |
| Tailstock:                               |                 |
| Taper in tailstock:                      | 4 CM            |
| Tailstock travel of barrel               | 50 mm           |
| Table speed:                             |                 |
| stepless                                 |                 |
| Rapid motion                             | 15 m/min        |
| Max. table angular displacement          | 7 °             |
| Air connect                              | 6 bar           |
| Voltage 50 Hz 3x                         | 400 Volt        |
| Grinding spindle motor                   | 7.5 kW          |



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|                             |          |
|-----------------------------|----------|
| Workpiece spindle motor     | 2 kW     |
| Machine's weight about      | 6000 kg  |
| Overall dimensions machine: |          |
| Length                      | 4'700 mm |
| Width                       | 2300 mm  |
| Height                      | 2000 mm  |

**Various accessories:**

|                                |    |
|--------------------------------|----|
| Coolant system                 |    |
| Paper filtration system        |    |
| Touch probe MARPOSS            |    |
| Set of grinding wheels         |    |
| Rotary centre                  |    |
| Set of centers                 |    |
| Set of workpiece drivers       |    |
| Set of throat gauges           |    |
| Lamp                           |    |
| Tool cabinet                   | 2x |
| Tailstock with fine adjustment |    |
| Oil mist extractor             |    |
| Spindel nose for collets       |    |







