**GEOCUT 302**

**Geological Cutting Machine**

for sectioning of rock, ceramics, minerals, glass, concrete etc., with Z-axis cutting wheel positioning and table-feed cutting system, manual positioning of the specimen in X and Y axis, X-Y table bed and cross feed table for cutting of plane parallel sections, mechanical display of cutting thickness, twin T-slotted clamping table made of stainless steel,  bottom part as rugged alloy base casting, cutting  capacity up to 110/90 mm solid stock, for diamond wheels up to ø300/250mm,  6.4 HP compact cutting motor, electronic brake system, extraordinary access for easy handling with sliding door and side openings,  interlocking safety switch for sliding door, ability to connect directly city water or recirculating coolant tank. Ready  for operation. Without clamping devices, without recirculating cooling unit.

**Technical Specifications**



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| **Order No** | **14 04** |
| **Model** | **GEOCUT 302** |
| **Max. Wheel Diameter** | Ø300 mm |
| **Max. Cutting Capacity, Ø** | Ø110 mm |
| **Max. Cutting Capacity, HxD** | #70x200 mm |
| **Z-Axis Travel, (mm)** | 125 |
| **Y-Axis Travel, (mm)** | 220 |
| **X-Axis Travel, (mm)** | 95 |
| **T-Table Dimension, (mm)** | (395+95)x275  |
| **T-Slot Dimension, (mm)** | 12 mm |
| **Cutting Motor Power (S1)** | 4 kW |
| **Wheel Speed, RPM** | 2800 |
| **Chop Cutting, Z- Axis** | Manual |
| **Table Feed Cutting, Y-Axis** | Manual |
| **Parallel Cutting, X-Axis** | Manual |
| **Size WxDxH, (cm)** | 90x94x66.5 |
| **Weight** | 250 kgs |

**Accessories**

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| **Accessories for GEOCUT 302** |
| **GR 1945** | Recirculating coolant tank, stainless steel, |
|   | 55 lt. capacity, with pump, level indicator, hoses etc. |
| **YM 8813** | Fine filter sheets for ricirculation cooling tank(GR 1945), 10 pcs. |
| **GR 1681** | Cabinet for floor model - SRC 302/GEOCUT 302 |
| **GR 1682** | FUMEFILTER Centrifugal Separator for SRC 302/GEOCUT 302 |
|   | Removes coolant mist for better illumination and viewing |
|   | (To be ordered simultaneously together with the machine order) |
| **YM 8833** | Spare Filter Kit for FUMEFILTER (GR 1682) |
| **GR 0125** | Laser alignment unit |
|   | (To be ordered simultaneously together with the machine order) |
| **GR 0991-01** | Flange Set with larger diameter, Ø100 mm |
|   |   |
| **GR 1397-00** | Water Filtering and Pressure Regulator System for city water inlet. |
|   | Keeps the water pressure at the appropriate level and protects from sudden  |
|   | pressure spikes. Filtering out impurities in the water and prevents calcification. |
| **YM 3824-00** | Spare Siliphos Cartridge Filter |
|   | (for Water Filtering and Pressure Regulator System (GR 1397-00)) |
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| **Clamping Devices for GEOCUT 302** |
| **GR 1811** | Quick Clamping Device for round petrographic specimens |
| **GR 1812** | Universal vise for large specimens, rocks, etc. |
| **15 05** | KKP 040 Vertical Clamping Device, with clamp. shoe, MCR 202/GEOCUT 302/GEOFORM 102 |
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| **Spare Part Kit for GEOCUT 302** |
| **GR 1997** | Recommended Set of Spare Parts, GEOCUT 302 |

**Consumables**

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| **Diamond Cutting Discs for GEOCUT 302** |
| **DIMOS** | **19-252** | ø 250 Diamond Cut-off wheels for hard petrographic applications (Geocut) |
| **DIMOS** | **19-302** | ø 300 Diamond Cut-off wheels for hard petrographic applications (Geocut) |