**Description**

**Abrasive Cutting Machine**

Microprocessor controlled, front panel with touch-pad controls, compact powerful 3 kW motor, electronic brake system, cutting capacity up to 115/90 mm solid stock, for cut-off wheels up to Ø300/250 mm, twin T-slotted  clamping table 255x250 mm made of stainless steel, bottom part as rugged alloy base casting, ABS protective hood, Ready for operation. Without clamping devices, without recirculation cooling tank. 400 V, 3 phase, 50 Hz.  
Includes a standard set of cutting consumables composed of;    
\*1 pack of medium type 10 cut-off wheels 250 mm dia.  
\*1 pack of medium type 10 cut-off wheels 300 mm dia.  
\*5 lt of METCOOL cooling fluid.

**Technical Specifications**



|  |  |
| --- | --- |
| **ORDER NO** | **10 05** |
| **MODEL NO** | **METACUT 302** |
| **Cutting Power kW(S1)** | 3 |
| **Wheel Speed, rpm** | 2800 |
| **Operation** | Manual |
| **Wheel Diameter, (mm)** | Ø300 / Ø250 |
| **Cutting Capacity, ø (mm)** | Ø115 / Ø90 |
| **Cutting Capacity, # (mm)** | 50 x 195 / 50 x 165 |
| **T-Slot table dimension, (mm)** | 255 x 250 |
| **T-Slot dimension, (mm)** | 12 |
| **Size, WxDxH, (cm)** | 58 x 68 x 49 |
| **Weight, (kgs)** | 132 |
| **Cooling Unit, (lt)** | 60 |
| **Mains, (V)** | 3 phase 400 V, 50 Hz |

**Accessories**

|  |  |
| --- | --- |
| **Cooling System for METACUT 302** | |
| **GR 0019** | Recirculation Cooling Tank, 60 lt, for METACUT 302 / Forciplan 102 |
| **YM 8813** | Fine filter sheets for recirculation cooling tank (GR 0019/GR 1675/ GR 1945), 10 pcs |
| **GR 1540** | Magnetic collector rod for recirculation cooling tank |
|  |  |
| **Clamping Devices for METACUT 302** | |
| **GR 0012** | Quick Acting Clamping  Vise Assembly, Right, for MTC 302 (Stainless Steel) |
| **GR 0013** | Quick Acting Clamping  Vise Assembly, Left, for MTC 302 (Stainless Steel) |
| **GR 0151** | Compact Vise Assembly, Spring Loaded, for MTC 302/SRC 302 (Stainless Steel) |
| **15 01** | MBU 1011 Vertical  Clamping Device with clamping shoe, clamping height up to 90 mm. |
| **15 03** | MK 10 21 Height Block, 60 mm |
| **GR 0453** | Fastener vise for longitudinal sectioning of screws, fasteners tubes, etc. from 12 to 45 mm in length |
|  |  |
| **Accessories for METACUT 302** | |
| **GR 0939** | Cabinet for floor model, MTC 302 |
|  |  |
| **Spare Part Kit for METACUT 302** | |
| **GR 1962** | Recommended Set of Spare Parts, METACUT 302 |

**Consumables**

|  |  |  |
| --- | --- | --- |
| **Treno Series Abrasive Cut-off Wheels (Pack of 10)** | | |
| **TRENO-Ti** | **19-019** | Ø 250 mm, for Titanium and Very Ductile Materials |
| **TRENO-NF** | **19-020** | Ø 250 mm, for Non-Ferrous Steels |
| **TRENO-H** | **19-021** | Ø 250 mm, for Soft Steels < 23 HRC |
| **TRENO-M** | **19-022** | Ø 250 mm, for Medium Hard Steels > 23-55 HRC < |
| **TRENO-S** | **19-023** | Ø 250 mm, for Hard Steels > 50-60 HRC < |
| **TRENO-SS** | **19-024** | Ø 250 mm, for Very Hard Steels > 60 HRC |
| **TRENO-NF** | **19-040** | Ø 300 mm, for Non-Ferrous Steels |
| **TRENO-H** | **19-041** | Ø 300 mm, for Soft Steels < 23 HRC |
| **TRENO-M** | **19-042** | Ø 300 mm, for Medium Hard Steels > 23-55 HRC < |
| **TRENO-S** | **19-043** | Ø 300 mm, for Hard Steels > 50-60 HRC < |
| **TRENO-SS** | **19-044** | Ø 300 mm, for Very Hard Steels > 60 HRC |
|  |  |  |
| **Long Life Abrasive Cut-off Wheels (Pack of 10)** | | |
| **TRENO-DUR** | **19-026** | Ø 250 mm, for Extremely Low Consumption Rate with Optimum Surface |
|  |  | Quality for High Volume Cutting Operations, Cut-Check Applications, etc.. |
|  |  |  |
| **Ultra Thin Abrasive Cut-off Wheels (Pack of 10)** | | |
| **TRENO-HT** | **19-031** | Ø 250 mm, 1.0 mm thickness, for Soft Steels > 20-35 HRC < |
| **TRENO-MT** | **19-032** | Ø 250 mm, 1.0 mm thickness, for Soft&Medium Hard Steels >38-58 HRC< |
|  |  |  |
| **Cuto Series Abrasive Cut-off Wheels (Pack of 10)** | | |
| **CUTO-M** | **19-022/A** | Ø 250 mm, for Soft&Medium Hard Steels up to 50HRC |
| **CUTO-S** | **19-023/A** | Ø 250 mm, for Hard Steels > 50-60 HRC < |
| **CUTO-M** | **19-042/A** | Ø 300 mm, for Soft&Medium Hard Steels up to 50HRC |
| **CUTO-S** | **19-043/A** | Ø 300 mm, for Hard Steels > 50-60 HRC < |
|  |  |  |
| **Diamond Cut-off Wheels (1 pc) for METACUT & SERVOCUT** | | |
| **DIMOS** | **19-250** | ø 250 Diamond Cut-off wheels  (Metal Bonded, high conc.) |
| **DIMOS** | **19-251** | ø 250 Diamond Cut-off wheels  (Resin Bonded, high conc.) |
| **DIMOS** | **19-300** | ø 300 Diamond Cut-off wheels  (Metal Bonded, high conc.) |
| **DIMOS** | **19-301** | ø 300 Diamond Cut-off wheels  (Resin Bonded, high conc.) |
|  |  |  |
| **Cutting Fluid** | | |
| **METCOOL** | **19-902** | Nature Friendly Soluble Oil, 5 lt. |
| **METCOOL II** | **19-905** | Nature Friendly Soluble Oil, 1 lt. |
| **METCOOL-NF** | **19-906** | Nature Friendly Soluble Oil, 5 lt. |
|  |  | Perfect corrosion protection for reactive metals like copper, brass, |
|  |  | cobalt, aluminum, tungsten carbide, etc… |