

# Technical Specifications

## Model: **Kanta-100S Handle Screw-type Manual Abrasive Cutter**

<b>Space</b>	1m x 1m x 2m (W, D, H) or more
<b>Electric</b>	3 phases, 220V, within 3m from device
<b>Coolant</b>	N/A
<b>Remark</b>	<ul style="list-style-type: none"> <li>- Space of movement</li> <li>- Air facility for hydraulic/air vice (Offer by user)</li> </ul>

### **Kanta-100S, Handle Screw-type Manual Abrasive Cutter**

Kanta-100S is a high speed cutting device using 10"/12" abrasive wheel for various materials such as metal, plastic, ceramic, composite material, etc. Kanta-100S minimize a thermal damage to supply sufficient coolant for a specimen cutting and tighten up its safety to protect a user using a tempered plastic glass with a magnetic sensor. Kanta-100S has improved the user convenience using screw type cutting method and can control the wheel height.

#### **Features**

- **Integral constitutive stand-alone type**
- **Maximized transparent window with LED lamp to observe the cutting process easily**
- **Wheel spin speed control using inverter**
- **Clean cutting using external cleaning gun**

## 1. Frame specification

- Size: 900mmW x 900mmD x 1470mmH
- Electric: 220V, 3 phases, 60Hz
- Motor: SIEMENS motor 2.2kW (3HP)
- Standalone type
- Wheel size(Arbor): 10, 12"
- Cutting size: Plank - 150mmW x 100mmL, Rod - 80mm (10" standard)
- Wheel speed: 500 ~ 3,500rpm
- Large transparent & tempered polycarbonate cover
- Opening protection sensor during cutting
- Specimen cutting with less force using soft spring
- Long specimen cutting to open the side cover
- Wheel cover installation
- Sliding type front door
- One touch vice
- Slanted base frame lean for good drainage
- Switches: POWER, START, STOP, Coolant ON, OFF
- Handle type cutting wheel control
- Coolant: Individual pump
  - Two stage filter
  - Rust-preventing cooling oil (50liter)
  - Caster installation for coolant replacement
- Manual moving type stage table
- Stage moving distance: 100mm or more



## 2. Digital Controller

- Control panel: 5.6" TFT LCD Touch screen(640x480)
- Data base: 5 storage space
- Touch button: START, STOP, Coolant On/Off,
- Sleep mode (Power down, Logo display)
- Automatic set-point saving
- Start/Stop, Coolant, LED lamp On/Off
- Manual spin speed setting
- Trouble and error display
- Spin speed: 4 Digit digital
- Emergency stop



### 3. Service and Remark

- 1 year warranty
- Operation manual (1copy)
- Installation and education at the shipping place (3 hours)
- Coolant oil and tool(Spanner, Fixture stick, Wrench, Tool box)



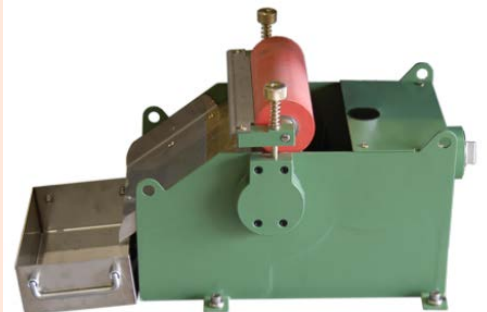
## Option Part

### 1. Cooling device and Foreign substance separator

- High pressure coolant pump (Discharge: 40 Liter/min)
- Forced circulation
- Sludge removal filter
- Steel scrap removal using permanent magnet
- Internal outlet line

### 2. Air vice (User arrangement: Air supply system)

- 2 air cylinder each
- 2 air solenoid valve each
- Air switch installation
- Maximum force: 80kg



### 3. Hydraulic vice (User arrangement: Air supply system)

- 2 air cylinder each
- 2 air solenoid valve each
- Air-Hydraulic booster installation
- Lock / Unlocking switches installation
- Maximum force: 400kg

### 4. T-slot bed

- Material: Stainless steel
- Slot line: Left – 2 lines / Right – 2 lines
- Movement: 30mm or more

