

## Y-0080 DESKTOP CNC TRAINING SET

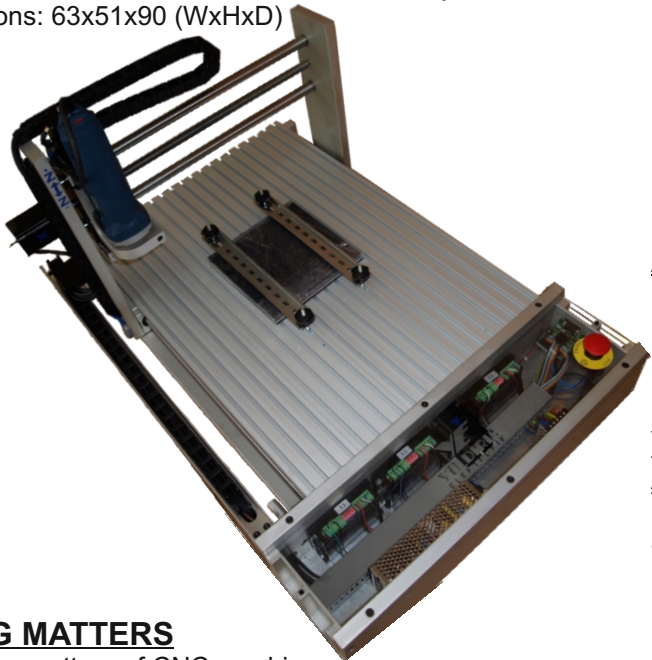
The training set is designed to exam CNC system structure and operations through electronic, mechanic and software dimensions.

All mechanic and electronic parts could be easily monitored. The transparent plexy cover used in the control unit has been used to see connections of all electronic circuit, drivers and connections.

In the mechanic structure; Derlin, aluminum alloyed body and T channeled aluminum sigma profile was used. 2 mm pitch screw mile and in the axis, 20 mm linear roller was used.

### TECHNICAL SPECIFICATIONS

- **Machine dimensions:** 630x510x900 mm
- **Table area:** 500x710 mm T channeled aluminum signal profiled table
- **X-Y Processing area:** 440x495 mm
- **Z Perpendicular Processing measure:** 100 mm
- **Communication:** RS232, USB
- **Electronic Driver:** Optic isolated micro step driver
- **Axes engines:** Step Motor
- **Controller:** 3+1 axis CNC Control
- **Software:** Windows based CNC-Control and CAM software. Turkish and other foreign language options
- **Supported CAM Files:** DXF, STL, PLT, PTC, GERBER, Image Files (JPG, BMP TIFF, PNG etc.), DNC (NC G codes) file formats. It has simple CAM part, the team way has been composed by the extension of PLT, DXF, STL files and it directly sends to the machine.
- **Spindle motor:** 600W 12.000/27.000 d/d, cycle adjusted
- **Resolution (0.9°@):** 0.005 mm
- **Other specifications:** Emergency Stop Button, limit keys at the end of axis, 220 V supply voltage.
- All DC tensions that are essential for system are available in the control unit.
- Height controlled legs.
- All cables in the axis are available within the dynamic cable channel.
- Dimensions: 63x51x90 (WxHxD)



### ACCESSORIES

- 1 user manual and application CD
- 1 CNC-Control and CAM program CD
- 1 USB-Serial programming cable
- 3 work pieces

### YOUR REQUIREMENTS FOR THE APPLICATION

- Your current materials and cutters that are appropriate for the work,

### OPTIONS

- Teach Pendant
- Wheeled aluminum sigma profiled table

### TRAINING MATTERS

- Mechanism matters of CNC machines
- Electronic connection and control of mechanic structure
- Position and speed control application of the step engines in the mechanic systems
- Step Motor driver techniques
- Working principle in Linear Motion
- Reviewing of Step motor controls
- Reviewing of electro mechanic systems and put into use.

