



**WELCOME**



# Tekplastra

→ Tool Room

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# Machines in **TekPlastra**



- **M1TR – Manual Milling Machine**
- **Hydraulic Surface Grinding Machine**
- **All Gear Lathe**
- **CNC EDM Sparking Machine**

## **FEATURE UPDATES**

- ❑ **CNC EDM Wire cut Machine**

# M1TR – Manual Milling Machine(Model 4VS)

## (BRAND – ARGO Taiwan)



| Model                         | 4S  | 4VS                      |
|-------------------------------|---|--------------------------|
| Spindle Motor                 | 3HP   |                          |
| Spindle Speeds(rpm)           | 80-2720(8 speeds)                                       | 70-500 low/600-4200 high |
| Spindle Taper                 | R-8 or ISO 30   |                          |
| Spindle Center to Column Face | 6-3/4" min. ~ 29-3/4" max.<br>(172mm min. ~ 756mm max.) |                          |
| Spindle Nose to Table Top     | 0" min. ~ 16-1/2" max.<br>(0mm min. ~ 420mm max.)       |                          |
| Quill Diameter                | 3.375" (86mm)   |                          |
| Quill Feeds (3)               | .0015", .003", .006"<br>(.04mm, .08mm, .15mm)           |                          |
| Quill Travel                  | 5" (127mm)  |                          |
| Head Tilt                     | 45° Forward 45° Backward<br>90° Right 90° Left          |                          |
| Ram Travel                    | 18" (458mm)   |                          |
| Ram Swivel                    | 360°  |                          |
| Working Surface               | 10" x 50" (254x1270mm)<br>10" x 54" (254x1372mm)(op)    |                          |
| Max. Workpiece Weight         | 300kgs  |                          |
| Longitudinal Travel           | 35" (890mm)   |                          |
| Cross Travel                  | 15.1" (384mm)   |                          |
| Vertical Travel               | 16" (407mm)   |                          |
| Approx. Machine Weight        | 1250kgs   |                          |



# Hydraulic Surface Grinding Machine



## Specification

| Specification                                      | MY1224           |
|--|------------------|
| Worktable size                                     | 600x300mm        |
| Max. travel of table                               | 640x320mm        |
| Table max. cutting area                            | 640x320mm        |
| T-slot (number width)                              | 1x14mm           |
| Distance from table to spindle center              | 490mm            |
| Wheel size (dia width bore)                        | 300x30x75mm      |
| Spindle speed                                      | 1440r/m          |
| Table longitudinal (left and right) speed          | 3-20/min         |
| Worktable cross continuous speed                   | 150mm/min        |
| Worktable cross intermittent speed                 | 0-5mm/min        |
| Worktable cross handwheel-stroke per revolution    | 4mm              |
| Worktable cross handwheel-stroke per grid          | 0.02mm           |
| Worktable vertical handwheel-stroke per revolution | 2mm              |
| Worktable vertical handwheel-stroke per grid       | 0.01mm           |
| Spindle motor                                      | 4kw              |
| Cooling motor                                      | 0.4kw            |
| Hydraulic motor                                    | 1.5kw            |
| Working pressure                                   | 3mpa             |
| Oil tank capacity                                  | 80L              |
| Max. flow capacity                                 | 18L/min          |
| The mechanical surface of the base of parallelism  | 300/0.004mm      |
| Surface roughness                                  | Ra0.32um         |
| N.W  | 1500kgs          |
| G.W  | 1650kgs          |
| Machine size                                       | 1960x1630x1870mm |



# All Gear Lathe



GHL 250-PL



| Machine Discription          | Figures        |
|------------------------------|----------------|
| Height of Center (mm)        | 250            |
| Swing Over Bed (mm)          | 500            |
| Swing Over Cross Slide (mm)  | 320            |
| Distance between Center (mm) | 1000           |
| Max. Swing in Gap (mm)       | 750            |
| Main Motor                   | 3 HP (2.25 KW) |

| Description of Bed                        | Figures     |
|---|-------------|
| Bed Type                                  | 2V & 2 Flat |
| Bed Width (mm)                            | 280         |
| Length of Gap in front of Face Plate (mm) | 160         |

| Head Stock                  | Figures                     |
|-----------------------------|-----------------------------|
| Number of Spindle Speeds    | 8 (Standard), 16 (Optional) |
| Spindle Speed Range (RPM)   | 54-1200(Std) 54-1700(Optl)  |
| Type & Size of Spindle Nose | A/2-6                       |
| Spindle Bore Size (mm)      | 55                          |
| Spindle Taper Number        | MT-6                        |
| Diameter of Front Bearing   | OD 130 x ID 85              |

| Feeds & Threads                      | Figures              |
|--------------------------------------|----------------------|
| Number of Feeds                      | 76                   |
| Range of longitudinal Feeds (mm/Rev) | 0.026 to 0.936       |
| Range of Cross Feeds (mm/Rev)        | 0.016 to 0.58        |
| Number of Threads                    | 106                  |
| Range of Metric Threads / Nos.       | 0.2 TO 7 mm (33)     |
| Range of Inch Threads / Nos.         | 72 to 4 TPI (36)     |
| Range of Module Threads / Nos.       | 0.3 to 3 Module (16) |
| Range of D.P. Threads / No.          | 44 to 8 D.P. (21)    |
| Lead Screw Dia (mm)                  | 31.75                |
| Lead Screw Pitch (mm)                | 6mm                  |

| Description of Saddle           | Figures   |
|---------------------------------|-----------|
| Cross Slide Dimension (mm)      | 178 x 415 |
| Cross Slide Travel (mm)         | 225       |
| Tool Shank Section (mm)         | 25 X 25   |
| Saddle Traverse (mm)            | 870       |
| Compound Slide Traverse (mm)    | 130       |
| Description of Tail Stock       | Figures   |
| Spindle Dia (mm)                | 50.8      |
| Spindle Taper Number            | MT-4      |
| Spindle Travel                  | 175       |
| Lateral Move of Tail Stock (mm) | 5         |

# CNC EDM SPARKING MACHINE



## Features :

1. Program with auxiliary icons is easy to operate.
2. Built-in memory and hard disk drive.
3. Equipped with high precision Heidenhain 1 $\mu$ m linear encoder.
4. High precision ball screw for delicate transmission.
5. 0.5A circuit system for the finest finish.
6. Double erect type filtration system separates carbon residue more efficiently.
7. Multiple fire proof detection systems.
8. Automatic calibration, automatic displacement and automatic positioning.
9. 3 axis simultaneous motion and side machining.
10. Square and circle enlargement and orbit machining.
11. Automatic 10-step fine machining in single pass.

## SPECIFICATIONS

|                                  | CNC - P50                 |
|----------------------------------|---------------------------|
| Work Tank Dimensions             | 940 x 530 x 350 mm        |
| Work Table Dimensions            | 630 x 360 mm              |
| XYZ Axis Travel                  | 350 x 250 x 200 mm        |
| Distance from Main Axis to Table | 520 mm                    |
| Auxiliary Travel of Z Axis       | 200 mm                    |
| Max. Workpiece Weight            | 500 kg                    |
| Max. Electrode Weight            | 50 kg                     |
| Max. Capacity of Dielectric      | 300 liters                |
| Max. Machining Speed             | 420 mm <sup>3</sup> / min |
| Min. Wear Rate                   | < 0.1 %                   |
| Best Surface Finish              | < Ra 0.16 $\mu$ m         |
| Max. Output Current              | 50 A                      |
| Input Power                      | 3.3 kVA                   |
| Machine Dimensions L x W x H     | 140 x 138 x 220 cm        |
| Total Weight of Machine          | 1,405 kg                  |

# Measuring Instruments

MAKE IN MITOTOYO JAPAN



- ❖ OUTSIDE MICROMETER 0 TO 25 MM
- ❖ OUTSIDE MICROMETER 25 TO 50 MM
- ❖ OUTSIDE MICROMETER 50 TO 75 MM
- ❖ OUTSIDE MICROMETER 75 TO 100 MM
- ❖ OUTSIDE MICROMETER 100 TO 125 MM
- ❖ OUTSIDE MICROMETER 125 TO 150 MM
- ❖ DIGITAL VERNIER CALLIPER 0 TO 150 MM
- ❖ DIGITAL VERNIER CALLIPER 0 TO 300 MM
- ❖ VERNIER CALLIPER 0 TO 150 MM
- ❖ VERNIER CALLIPER 0 TO 300 MM
- ❖ VERNIER CALLIPER 0 TO 600 MM

- ❖ NORMAL HEIGHT GAUGE 0 TO 300 MM
- ❖ DIGITAL HEIGHT GAUGE 0 TO 300 MM
- ❖ BORE GAUGE 18 TO 35 MM
- ❖ BORE GAUGE 35 TO 60 MM
- ❖ BORE GAUGE 50 TO 160 MM
- ❖ BORE GAUGE 160 TO 250 MM
- ❖ DEPTH MICROMETER 0 TO 25MM
- ❖ DEPTH VERNIER CALLIPER 0 TO 150 MM
- ❖ PLUNGER DIAL 0.01MM
- ❖ LEVER DIAL 0.01 MM
- ❖ LEVER DIAL 0.001 MM
- ❖ FELLER GAUGE



# TYPES OF WORKS AND COMPANY GOAL



## Tool Room Works

We do All kinds of Tool Room Works.

Press Tools

Progressive Tools

Moulds & Dies

Jig and Fixtures

EDM Sparking works

Tool Room Job Works

## Feature Update

Going to update our works in Automobile Parts.

Special Interest in **HOME** Appliance Products for  
Developing and Productions.



# Types Of Plastic Products

- ❖ Automobile Products
- ❖ Home use Products
- ❖ Industrial Products
- ❖ Toys Products

**And Many More Products**

# Automobile Products





# House Hold Products



Plastic Products









# Toys Products



# Thank You

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