







Prime Features

-  Servo motor drive system
-  High resolution steel scale with 0.05 microns as option
-  High Machine Accuracy
-  Multi Sensor machine with TTP & Point / Line Laser option
-  Automatic Module changing rack interface as option
-  Motorized lens supplied as standard

Renishaw TTP TP 20

- 5 Way touch trigger Probing
- Quick and repeatable magnetic joint
- SF / MF / EF modules available as option

Module Changing Rack MCR 20

- 6 Port Automatic Module Changing Rack
- Programmable through software

Point laser

- Compact sensor with integrated Electronics
- Linearity upto 8 μm / Reproducibility upto 0.5 μm

Line laser

- High Resolution and high scanning rate
- Special algorithm for highly reflective surfaces

| | Option 1. EQ5-30 | Option 2. EQ5-75 |
|----------------------|------------------|------------------|
| Laser Type | Line Laser | Line Laser |
| Resolution in Z axis | 1.7 μm | 4.4 μm |
| Range in Z axis | 30mm | 75mm |
| Resolution in X axis | 18.6 μm | 43.5 μm |
| Range in X axis | 37 mm | 85mm |

* Accuracy stated are at standard operating conditions Temperature : 20 Deg ± 2 Deg

** Accuracy stated are with probing system at standard operating conditions Temperature : 20 Deg ± 2 Deg



| Machine Specification | iPrima 3020 | iPrima 4030 | iPrima 5040 |
|---------------------------|---|-------------|-------------|
| Measuring Range - X Axis | 300 mm | 400 mm | 500 mm |
| Measuring Range - Y Axis | 200 mm | 300 mm | 400 mm |
| Travel Range - Z Axis | 200 mm | 300 mm | 300 mm |
| Machine Base | Granite | | |
| Variants | CNC | | |
| Machine Construction | 'C' Frame Construction with Cross Table Design | | |
| Video System | 1. Standard: 1/3" High Resolution 1.3 MP Colour CMOS , GigE Camera (1280 x 1024) 2. Optional: 1/2.5" High Resolution 5 MP Colour CMOS , GigE Camera (2592x 1944) | | |
| Imaging Optics | 1. Standard: 1 : 6.5 x Magnification Motorized Lens 2. Optional: 1 : 12 x Magnification Motorized Lens | | |
| Scale Resolution | 0.1 μm as standard / 0.05 μm as option | | |
| Lighting System | 4 Rings, 8 Segments, 84 LED White Ring Light with Collimated Green LED Back light as standard | | |
| *Accuracy (Exy) | ± 2.5 + L/175 μm (Where "L" is Measuring Length in mm) | | |
| ** Accuracy (EZ) | ± 3 + L/100 μm (Where "L" is Measuring Length in mm) | | |
| Maximum Work Piece Weight | 25 Kgs | | |