



T3 MODEL

PROCESS MONITOR

The primary function of this monitor is to reliably measure speed and force.

ACCEPTED SENSOR TYPES



20 mm / 7 mm Sensor
Epoxied in a pocket



8 mm Probe Sensor
Secured in an 8 mm hole



Cam Sensor
Used for part counts, RPM, timing signal, and stopping criteria



Proximity Timing Sensor
Mounted on the side of the ram to measure distance

INPUT/OUTPUT

- **Inputs:**
 - 8 Analog
 - 1 Digital
 - 110V / 240V Power
- **Outputs:**
 - 4 Control Relays

HIGHLIGHTS

- A 7-inch high-resolution color touch screen display is included
- It has the capacity for up to 8 channel analog inputs with fully automatic calibration, eliminating the need for amplifiers or filters
- There are multiple counters for tool, station, batch, and maintenance purposes
- Machine Status LED indicator.
- Controls Cold Headers, Thread Rollers, Stamping, and Broaching Machines

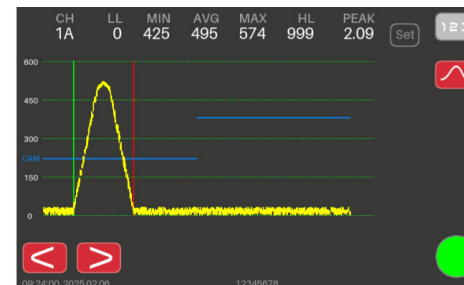
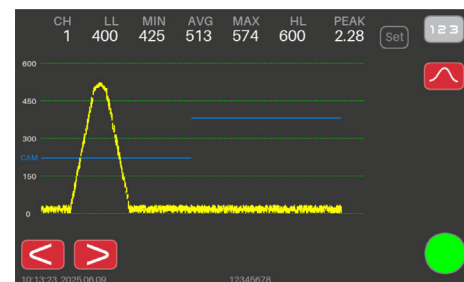
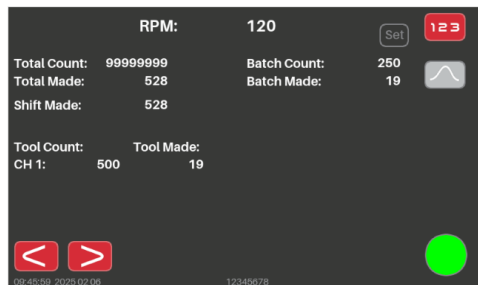
KEY BENEFITS

- Reduces unexpected machine breakdowns → less damage, downtime, and repair cost
- Faster setup times, improving productivity
- Enables detailed evaluation of process failures for better corrective action and efficiency
- Real-time monitoring confirms each cycle aligns with reference profiles within predefined limits

SPECIFICATIONS

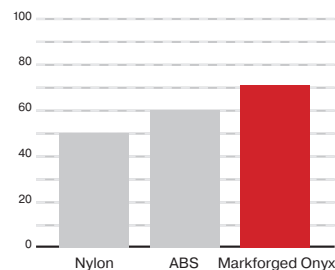
- Shipping Weight: 5 lbs (2.27 kg)
- Shipping Dimensions: 18 in x 14 in x 6 in (457.2 mm x 355.6 mm x 152.4 mm)
- Unit Weight: 3.5 lbs (1.59 kg)
- Unit Dimensions:
 - Height: 252.32 mm (9.93 in)
 - Width: 267.88 mm (10.55 in)
 - Depth: 120.24 mm (4.73 in)

T3 MODEL | USER INTERFACE OVERVIEW

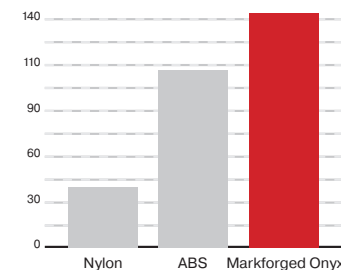


NEW LIGHTWEIGHT MATERIALS

We have improved our manufacturing process and are now using high-quality black polycarbonate filaments for our monitors. This material can resist bending well, with a flexural strength of 71 MPa, and it can withstand heat up to 293°F, making it suitable for various environments.



71 MPa
Markforged Onyx



145°C
Markforged Onyx