



The **Toolmaker Microscope System** has a convenient “heads up” display allowing for ergonomic work stations and multiple viewers. This greatly facilitates training and dispositioning. Custom reticles or overlay templates can be applied to the display for quick measurements. 3X digital zoom simulates microscope functionality. Point and click measurement capability.

## Specifications

- Color or monochrome camera: 1600x1200px
- Color LCD display
- Image Saving
- Fixed magnification lens assembly. No wear parts or uncertainty of magnification
- Fixed aperture. No wear parts or operator error
- Minimal software
  - Digital zoom function
  - Reticle generation
  - Tools: XY, X, Y, Gauge Lines, 3 Point Circle, Center to Center, Center to Edge, Angle
- Adjustable “Z” position for focus only
- Weight: 65lb
- 100-240VAC, 1800W, 47-63Hz

## Ordering Information

**1      2      3      4      5      6**

*Example:* TMS M S20 070 FLR BLR

### 1. Series

TMS Toolmaker Microscope System

### 4. FOV

018	1.76 x 1.32mm
035	3.52 x 2.64mm
070	7.04 x 5.28mm
117	11.73 x 8.8mm
141	14.08 x 10.56mm
176	17.60 x 13.20mm
235	23.47 x 17.60mm
282	28.16 x 21.12mm
352	35.20 x 26.40mm
440	44.00 x 33.00mm

### 2. Camera

M Monochrome, 1600x1200  
C Color, 1600x1200

### 5. Front Light

NON  
FLR  
FLB  
FLG  
FLW

### (Left & Right)

None  
Red, 660nm  
Blue, 525nm  
Green, 470nm  
White

### 3. Monitor

S20 20" 1920x1080 Monitor

### 6. Back Light

NON	None
BLR	Red, 660nm
BLB	Blue, 525nm
BLG	Green, 470nm
BLW	White

Many other options are available:

- Lens – affects field of view, accuracy, working distance
- Monitor – affects system magnification
- Camera – affects system magnification and resolution
- Overlay – Custom reticles or go/no go layouts. Send us your DXF.
- Recall multiple overlays from a network location
- Fixed zoom or on screen slider
- Modified camera position, perhaps sideways or other
- Lighting – backlight, front light, various color enhancements, collimating

Please contact TCA with your request. We'd love to hear from you.