

I010 / ASTM D2255

# CONICAL BOARD YARN EXAMINING MACHINE

Consistent winding. Clear visual assessment.



For visual assessment of yarn surface imperfections, unevenness, hairiness, neps and overall appearance. Yarn wound at a controlled spacing onto a tapered board provides a clear sample for quality control and research and development.

**5-50**

wraps/cm winding density

**4.3-inch**

touchscreen PLC/HMI

**4 boards**

2 black + 2 white

## WINDING SETTINGS ON THE TOUCHSCREEN

Winding density, speed and length are entered on the touchscreen. Board rotation and yarn guide traverse are controlled by stepper motors.

### APPLICATIONS

Yarn production / Quality control laboratories / R&D; / Education

## TECHNICAL SPECIFICATIONS

|                     |                                                   |
|---------------------|---------------------------------------------------|
| Control panel       | 4.3-inch touchscreen PLC/HMI                      |
| Winding density     | 5-50 wraps/cm, adjustable on the touchscreen      |
| Winding speed       | Entered on the touchscreen                        |
| Winding length      | Entered on the touchscreen                        |
| Board rotation      | Stepper motor controlled                          |
| Yarn guide traverse | Stepper motor controlled                          |
| Board geometry      | Tapered / trapezoidal board                       |
| Board dimensions    | 600 mm length; wide end 255 mm; narrow end 155 mm |
| Board thickness     | 1.5 mm                                            |

## STANDARD SUPPLY

2 black and 2 white tapered boards. All four boards may be supplied in the same colour when specified at the time of order.

## APPEARANCE GRADING METHOD

ASTM D2255 / D2255M: appearance grading of singles spun yarns. Winding density is selected according to the yarn count and the photographic reference series. Visual assessment is carried out under suitable lighting by comparison with original reference cards.

### ASTM PHOTOGRAPHIC YARN APPEARANCE STANDARDS

**ASTM Photographic Yarn Appearance Standards are available as an optional accessory.**

Original comparison cards with appearance grades A, B, C and D are ordered by selecting the appropriate series for the yarn count.

[View the product photograph of the original comparison cards](#)

Product image is for illustration. Physical reference cards are used for assessment.

**REQUEST A QUOTATION**

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