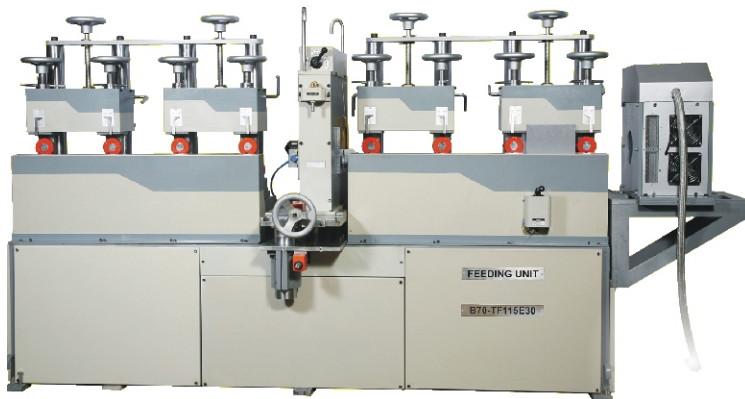


Mechanics

And Accessories for Flawmark Range



B70-TF115E30

Feeding unit for off-line testing of 19mm-114mm tubes. A saturation coil cum test coil holder is mounted on a manually adjustable platform. A demagnetization coil as shown can be mounted at exit.

Technofour offer complete automation solutions for testing tubes in offline configurations. Typical systems can have sloping stand and alignment mechanism for stacking tubes to be tested, singling mechanism for charging tubes on to entry side roller bed, feeding unit with test stations and exit side roller bed for automatic sorting of

tubes in up to four bins. A standard tube mechanism can hold and feed a calibration tube as required for verification. The entire sequence is completely automatic.

Feeding units with multiple test stations, e.g. for use in offline testing with rotating as well as encircling test heads are also available.



B180-TF180E180

Feeding unit for off-line testing of 32mm-180mm OD tubes. The coil platform has motorized movements. Test speeds are up to 180 Meters/min. The picture also shows a split-type saturation coil that can magnetically saturate tubes up to 12mm thick.



TECHNOFOUR

THE NDT TECHNOCRATS



Typical Offline Automatic NDT System

Technofour also have all kinds of mechanisms and accessories required for online inspection of tubes. Special test head platforms minimize space requirements for online testing, using test heads that can fit inside lower width saturation coils.

Encoder assemblies are available to accurately synchronize testing with mill speed. Paint markers are available for marking location of defects on the tubes.

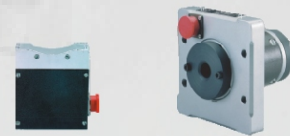
For weld line inspection with segment test heads, three types of magnetic yoke assemblies are available for various size ranges.

Sometimes, the weld line does not stay at a fixed orientation, but wanders about. The segment heads need to be moved likewise. A swivelling mechanism can also be supplied for this purpose. Swivelling can be manual or motorized.

All kinds of custom automation solutions are also available.



Magnetizing Yoke with Swivelling Mechanism



Segment and Encircling Test Heads



Encoder with stand



Coil Platform Fm3 with Saturation Coil



Paint Marker



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