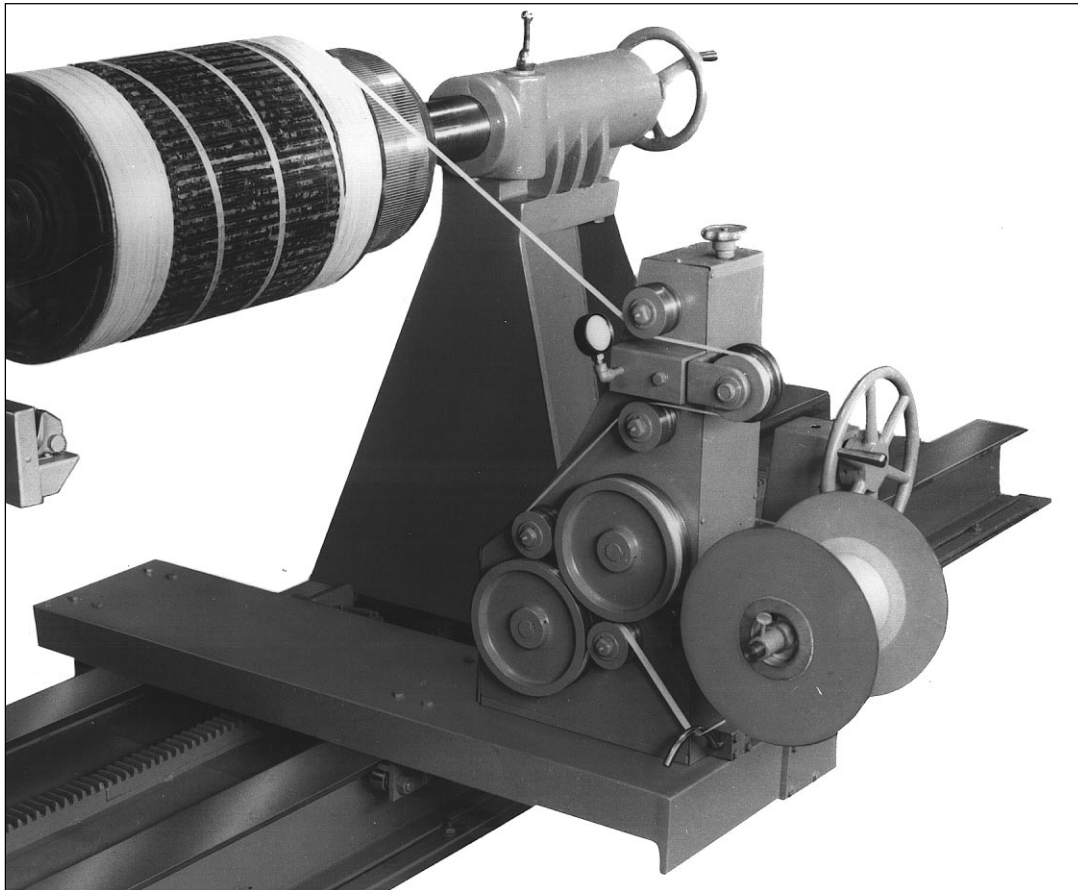


# FA Banding & Tension Measuring Unit



*E-411 FA Banding & Tension Measuring Unit*

### General Description

The FA Banding and Tension Measuring Units are designed to develop and maintain banding tensions up to 800 pounds utilizing both polyester impregnated glass tape and steel banding wire.

A direct reading tension scale is provided and is convenient for the operator's reference during banding operations. Adjustment of banding tension is made by means of a conveniently located handwheel at the top of the unit.

Threading the unit for banding operations is quickly and easily accomplished and the change over from glass tape to wire may be accomplished in less than three minutes.

The FA Banding and Tension Measuring Unit is designed for use on the PRJ FA Banding Machine, however, it may be readily adapted for use with large lathes or other type banding machines, or may be furnished mounted on a separate bed for installation in front of such machines.

SHIPPING DATA						
Net Weight	Crated Weight	Boxed for Export	Dimensions			Cubic Feet
			L	W	H	
300 lbs.	350 lbs.	425 lbs.	34"	22"	40"	18





*E-411B Lathe Mounted Banding & Tension Measuring Unit*

### Construction Features

The base and side plates of the FA Banding and Tension Measuring Unit are a steel fabrication adequately sized to withstand the forces developed under high banding tension. Two 10" diameter tension drums are mounted on shafts which are held in self-aligning ball bearings attached to the side plates.

The direct reading tension indicator is positioned near the top of the unit and consists of a hydraulic cylinder and plunger supporting an idler roller which indicates on a calibrated gauge as banding tension is applied. The gauge is graduated for tensions up to 900 pounds.

Four idler rollers are permanently mounted on the unit to guide the glass tape or wire band around the tension drums, over the tension measuring unit and on to the armature.

A 10" diameter brake drum is mounted on the shaft on one of the tension drums. A handwheel control positioned for the operator's

convenience at the top of the tension unit provides the means of increasing or decreasing banding tension as required.

The two banding tension drums are coordinated so an equal tension is developed on each drum. This eliminates the possibility of all the banding tensions being developed on one drum and the banding material slipping on the other drum.

The tension drums and idler rollers are provided with a 1 - 1/8" wide recess for the glass tape and a separate groove for banding wire. Thus, the change from one material to the other requires only the changing of the supply reel.

A reel support bracket is provided which will accommodate the standard size reels of banding wire and glass tape in rolls or spools up to 1,000 yard capacity.

A steel guide rod is provided to guide the glass tape onto the idler roller and tension drums and a spring loaded snubbing unit is provided for use with wire banding.

### SHIPPING DATA

Net Weight	Crated Weight	Boxed for Export	Dimensions			Cubic Feet
			L	W	H	
300 lbs.	350 lbs.	425 lbs.	41"	22"	32"	17

PRJS-TMU-0198

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