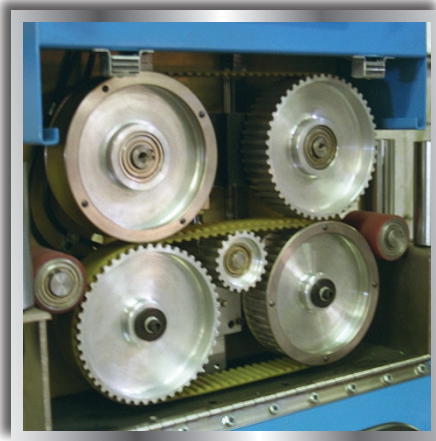
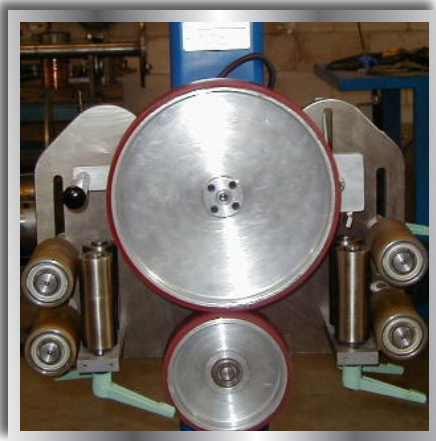
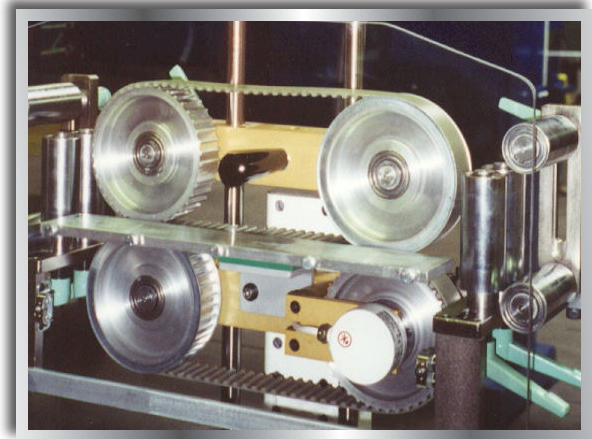


ARMoured CABLE MACHINERY

INTERLOCK • FLEX • UMBILICALS • ESP • CONDUIT • TAPING

BELT & WHEEL LENGTH MEASURING UNITS

- Rotary, large diameter wheel style, or linear high traction belt style units
- Bi-directional material flow
- High resolution encoder feedback on all units
- For all speed applications up to 2000 feet per minute
- Pre-determined counters with multiple relay outputs, or control integration into HMI's of related process equipment
- Quick changeover of belts, with multiple belt cover compositions available
- +/- .05% average accuracy, with full scalability
- Stand alone or machine mounted versions, with optional additions such as end-of-wire sensing and breaking rollers



Both **Wheel and Belt Style Units** are available in multiple configurations for different size ranges of products. Measuring can be done bi-directionally with either metric or imperial formats, and in either up or down count directions. All units have high resolution encoder feedback into a pre-determined counter, which can be programmed to suit end user requirements. Wheel or belts to product contact can be either gravity set or pneumatically activated with pressure adjustment. Units can be machine mounted, or provided with integrated, height adjustable stands.



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KEY FEATURES

Belt Measuring Units

- Steel reinforced polyurethane timing belts for long life, with optional additional cover
- Long belt to product contact area
- Optional pneumatic belt pressure adjustment
- High resolution encoder feedback to pre-determined counter
- Belts are quickly changed and tension adjustable
- Horizontal and vertical entry and exit guide rollers for product positioning

Belt Measuring Units provide dual sided belt contact for up to 4" diameter product. Belt pressure is distributed evenly over an extended contact distance.

The use of pre-tensioned steel reinforced timing belts ensures long life with little wear. Consistent measuring is thus maintained with little recalibration required. Changeover of belts is quick and easy without the use of tools.

Wheel Measuring Units

- Urethane coated wheels ensure extremely long life
- 36" or 1 meter circumference wheels
- More than point-to-point contact due to large and small wheel design
- High resolution encoder feedback to pre-determined counter
- High resolution encoder feedback to pre-determined counter
- Horizontal and vertical entry and exit rollers for positioning product

Wheel Measuring Units consist of dual large and small urethane coated wheels, which maintain a longer life cycle than belts. Different wheel sizes are available to suit various product size ranges. Entry and exit vertical and horizontal rollers maintain product alignment.

MEASURING UNIT TYPE	CABLE DIAMETER RANGE	LINE SPEED RANGE	CONTACT WIDTH
BELT	1/8" - 4"	10 - 2000 feet/minute	1.42" - 2.16"
WHEEL	22" - 36"	10 - 2000 feet/minute	1 3/4"

Any measuring unit requires periodic recalibration to maintain its measuring accuracy.

A belt measuring unit requires less recalibration as little wear occurs. Worn belts are simply replaced with new ones. A wheel measuring unit accommodates a greater amount of wear over a longer period of time and thus requires more frequent recalibration.

