

## **DIRECT DRIVE TYING MACHINES**

Felins USA, Inc., the first name in imaginative solutions to any tying problem, introduces a new concept in tying machines — the “Direct Drive” Tyers. We use the term “direct drive” to describe a unique system which incorporates the motor into the drive shaft, thereby replacing the conventional belt-driven gear reduction system. The direct drive tyer has a totally sealed gearbox and motor, making it impervious to dirt and contamination and resistant to water.

The direct drive tyer contains a specially designed circuit board featuring a custom programmable micro processor and state of the art electronics. This special circuit board offers the advantage of the motor running only while it cycles with no loss of tying speed.

What this means to the end-user is reduced maintenance costs. Conventional tying machines have heat build-up due to the drive motor always running. This heat build-up eventually causes pinion gear wear, belt wear, bearing wear, clutching failure, motor burn-out and slip clutch wear. You probably know these are typical wear points on conventional tyers. But the direct drive system uses electronics to drive the motor rather than a mechanical drive. This new circuitry also allows installation of the tyer in a variety of in-line applications — you can install the tyer upside down or at a right angle if that's what will fit best in the existing production system. All of this is possible because the motor is not dependent on standard mechanical moving parts which can be affected by gravity.

Complementing this revolutionary design is a new appearance to the tyer. All moving parts are enclosed in an attractive cabinet, which features a built-in twine holder. The Felins exclusive **Break-Away Delivery Arm** is standard equipment on the Direct Drive Tyer. And of course, The Direct Drive Pak-Tyers model will accept any kind of string, twine, polytape, twisted copoly or elastic and elastomer twine.

All in all, the Direct Drive Tyer adds up to an exciting product,

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