

# WIRE TENSION PULLEY

## Online Tension Measurement System

For wire, strip, thread, rope, cable, tube, fiber, rod and such similar products.

### Why Industry need it ?

There is direct/ indirect impact on product quality with tension variation beyond certain limit. The process like extrusion, stranding, bunching, twisting, rewinding, coiling, weaving, coating, inspecting, drawing, enamabing or similar where the running product is passing through some process. Which directly impact on qulaity of process and product as well machine performance. Hence the end product quality is been compromised inspite of willingness to give best quality product by the industry.

### Solution:

With the help of experiance in the filed over 25 years with feedback and strong support from Industry Puretronics is able Introduce Tension Measurement System. Which is useful in various application. In Continuous production processes the quality of the finished products is directly dependent on the accurate measurement and control of the material tension thus improving finished product quality, reducing waste, increasing processing speeds, and minimizing machine efficiency and low downtime. An Application which can benefit greatly from tension measurement and control include: Drawing, Stranding ,Bunching, Extrusion, Inspection/ rewinding, coiling,Weaving, Rope making, shielding, coating, enamabing, Unwinding/decoiling.

## BENEFITS

- Gives long lasting performance
- Accomodation in existing process, machine is easy
- Desired possible automation is very much possible.  
In order to steamline the process
- Great tool which can help in various ways like alarm, value to data logger, digital read out.

## FEATURES

- Stable design, Standard models are with dyanmic balanced ceramic pulles
- Choice of mounting to suit specific location
- Analogue output which can be used for further automation like close loop tension cotnrrol, alalarm, data.
- Highly precisied digital tension indicator with analogue output.

### TECHNICAL SPECIFICATIONS:

MODEL	SIZE OF WIRE	TENSION RANGE	SUPPLY	OUTPUTS
WTI - 90 - 40	0.2 to 5mm	40kg/15kg	24VDC	0-10VDC / 4-20mA / RS485
WTI - 100 - 40	2 to 10mm	40kg/15kg	24VDC	0-10VDC / 4-20mA / RS485

Customosied model can be designed to meet specific requirment.



LOADCELL PULLEY

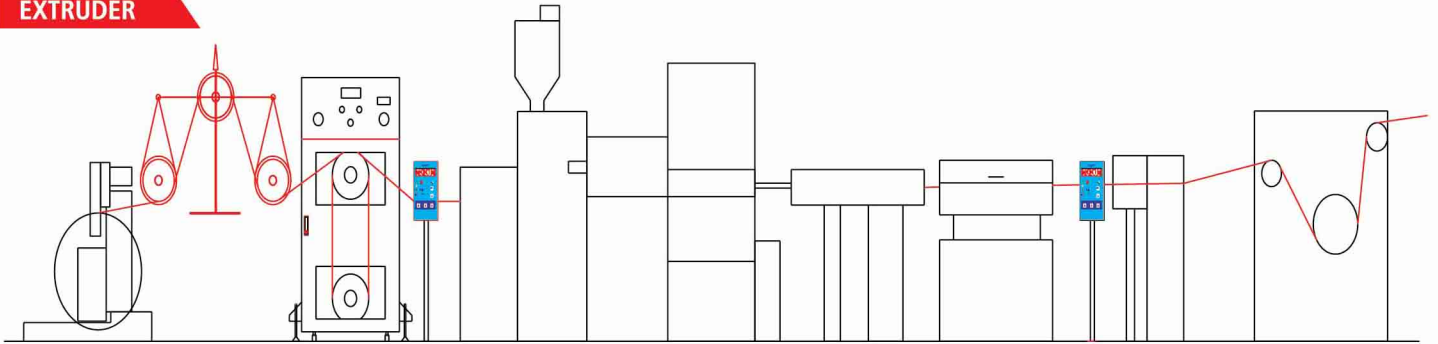


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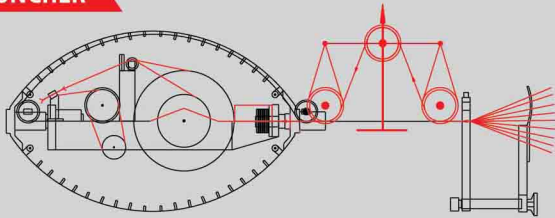


**APPLICATIONS**

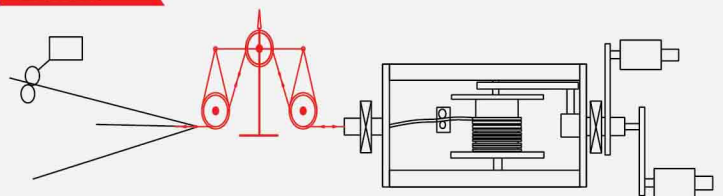
**EXTRUDER**



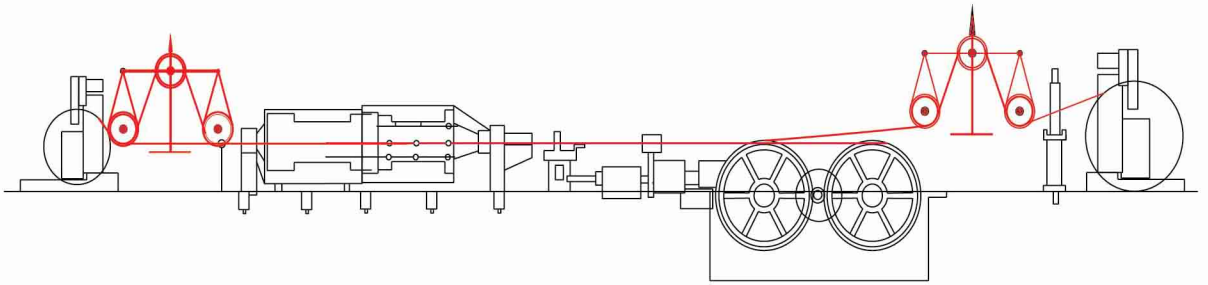
**BUNCHER**



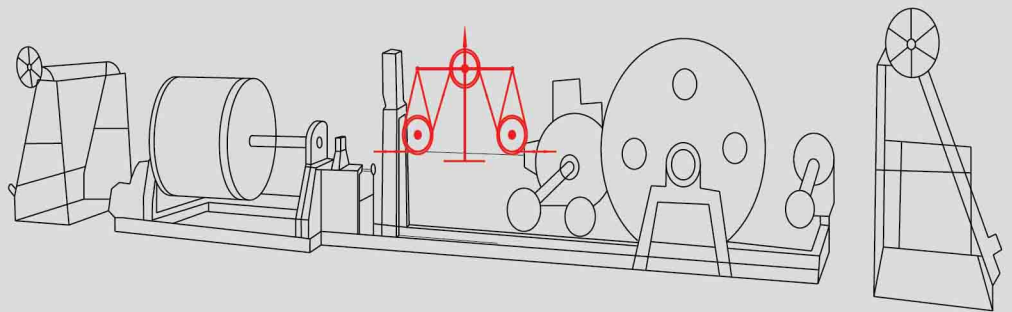
**LAYING**



**STRANDING**



**TWISTER**



**WIRE DRAWING**

