

T-300/T-400

CODINA[®]
Twisters - Braiders - Winders

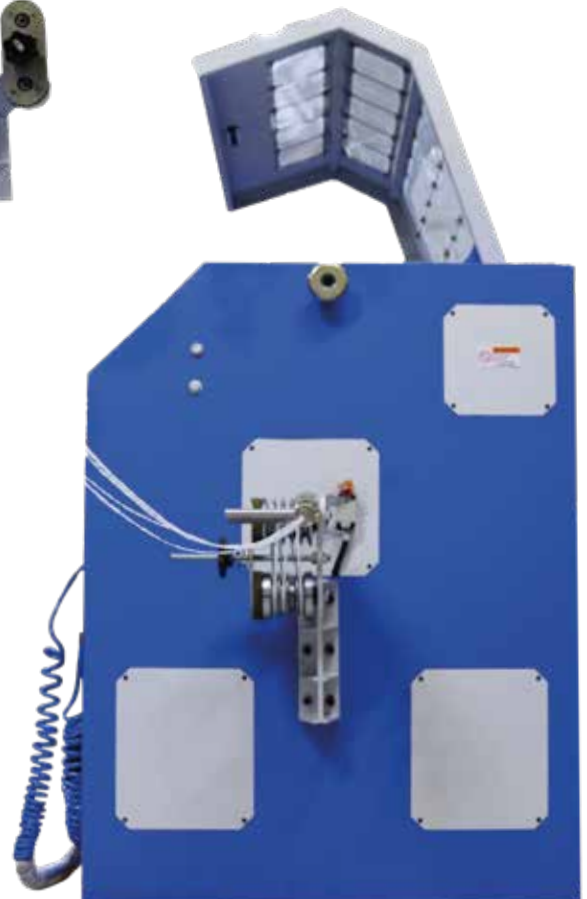
TORNADO T-300: 3.000-175.000 Denier
T-400: 6.000-250.000 Denier

The CODINA TORNADO is a twisting machine for the production of all kind of technical yarns, when the patent TPRX supplied by CODINA is not suitable, mainly for yarns from 30.000 Denier. The machine is very affordable, has great quality and robustness and requires almost no maintenance.

There is a family of machines starting with the Tornado Models and finalizing up to rope machines.



- There are 2 models:
 - T-300: with final precision winding up to 320 mm in diameter.
 - T-400: with final precision winding up to 450 mm in diameter.
- Optional automatic bobbin change.
- Optional pretwisting section.
- Tension control systems:
 - Electric in T-300 model.
 - Hydraulic in T-400 model.



Among other applications we have:

- The production of the twines mostly around 18.000-24.000 Denier (as alternative to the TPRX patent), currently used in the core of the braided ropes.
- The first steps of the rope production.
- Packaging twines.
- The second twist of pre-twisted threads in a ring or with an optional pre-torsion module, that we offer as optional.
- The twist for the "shirt" of the braiding: directly in braider bobbins.



- Remote Internet connection to CODINA for continuous technical assistance.
- Open electronics. Machine not dependable from the supplier.
- Very robust machine. Weight 1,500 Kg.
- Pneumatic mandrel expandable with incorporated air gun, conical mandrel for bobbins without tube or eccentric mandrel for bobbins with tube with small inner tube diameter.
- Low power consumption and low noise.

STANDARD EQUIPMENT

PLC to modify all parameters (twist, speed, bobbin pressure, length of yarn in the bobin, etc; without change of gears, all electronic) and with capacity memorize them in files to repeat each specific job.

Feeding yarn stop detector.

2% of the value of the machine in spare parts and accessories.


1 crossing box and a mandrel at your choice.

OPTIONAL EQUIPMENT

Creel derroulé or defilé.

Pretorsion module.

Conical mandrel for bobbins without tube.

	CODINA T-300	CODINA T-400	SPECIALS	ROPE MACHINE
YARN RANGE	3.000-160.000 Denier	6.000-280.000 Denier	CUSTOMIZED	6-40 mm
TWIST RANGE	5-120 tpm 0.12 - 3 tpp	5-120 tpm 0.12 - 3 tpp	UNLIMITED (Gear Change)	USUAL
FLYER SPEED	3.500 rpm	2.500 rpm	AS PER CHOICE	OTHERS
MAX. FEEDING SPEED	400 m/min	350 m/min	CONSULT	USUAL
TWIST PER MINUTE	Max 7.000	Max 5.000	AS PER CHOICE	S/GROSOR
NET WEIGHT (with maximum winding pressure, with electric or hydraulic tension control)	300 x 320 mm PE or PP: 15 Kg Nylon: 20 Kg Polyester: 25 Kg Aramid: 30 Kg Electric tension sistem.	PE or PP: 8 Kg PE o PP: 25 Kg Nylon: 32 Kg Polyester: 40 Kg Aramid: 50 Kg Hidraulic tension sistem.	CUSTOMIZED	ACCORDING TO THICKNESS ROPE AND SETTING CHOSEN