The background of the slide is a composite image. The top half shows a close-up of industrial extrusion machinery with various pipes, valves, and a red hose. The bottom half, separated by a diagonal line, shows a red electrical control panel with multiple rows of terminal blocks and red wiring. The text "Extrusion machinery" is overlaid on the top image in a white, bold, sans-serif font.

Extrusion machinery



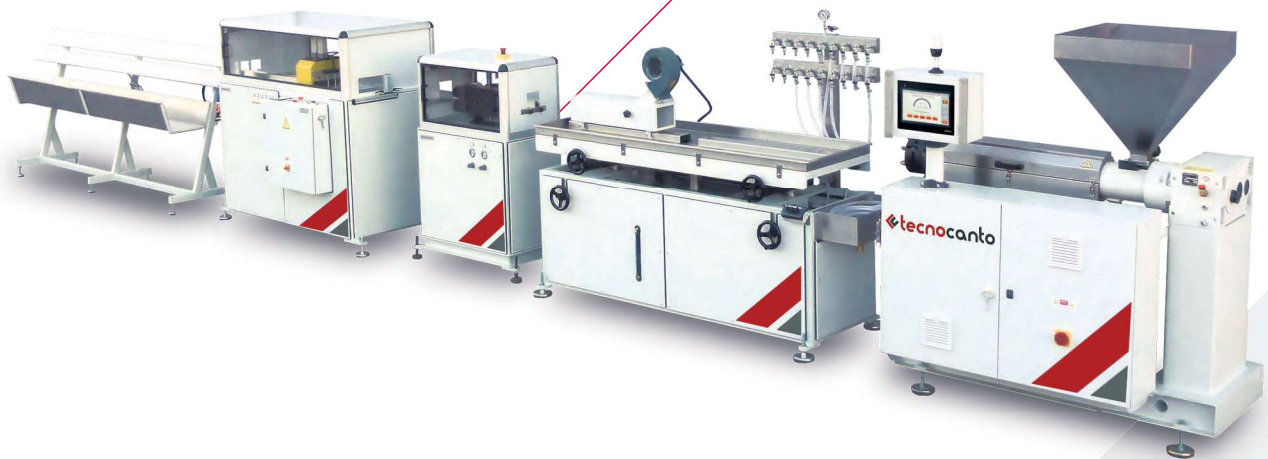
tecnocanto.pt



Extrusion lines

- ✓ **Extruders**
- ✓ **Co-extruders**
- ✓ **Calibration tables / Cooling and vacuum tanks**
- ✓ **Haul-offs (Pullers)**
- ✓ **Cutting saws**
- ✓ **Coilers**
- ✓ **Tip table**
- ✓ **Special machines**

EXTRUSION LINE
PIPES, PROFILES, ETC.



EXTRUSION LINE
3D PRINTER FILAMENTS



Extruders

Our single screw extruders are developed to be used in the most standard applications.

They are available in several sizes with different screw L/D ratio and screw design according to the material to process and the end application, should they be technical profiles, pipes, tubes or others.



Main features

- ✓ Available in 3 sizes: 30, 45, 60 and 75mm.
- ✓ High efficient AC Motor with frequency converter.
- ✓ Nitrided barrel with smooth or grooved feed zone.
- ✓ High efficient heating control with ceramic band heaters and air cooling.
- ✓ Touch screen interface with PLC control.

Reference outputs

Productions (kg/h)	LDPE	HDPE	SOFT PVC	RIGID PVC	ABS	PC	TPU	PP
MC-EX30-28D	15	20	15	-	15	-	15	15
MC-EX45-28D	45	60	45	-	60	-	45	55
MC-EX60-28D	70	85	75	-	85	-	75	90
MC-EX45-25D	35	45	50	50	60	60	45	-
MC-EX60-25D	60	75	75	80	85	85	60	-
MC-EX75-25D	110	100	110	100	95	110	110	-
MC-EX75-28D	140	140	-	-	110	-	-	120

Co-extruders

Tecnocanto single screw co-extruders are the most versatile small extruders on the market due to their compact size and high performance.

They are available in different sizes with different screw L/D ratio and several screw design according to the material to process and the end application. The main frame of these machines can be with fixed extrusion height (TF model) or a very versatile frame with a central column that allows to adjust the height and vertical and horizontal angle.



Main features

- ✓ High efficient AC motor with frequency converter.
- ✓ Nitrided barrel with grooved feed zone for higher output.
- ✓ High efficient heating control with ceramic band heaters and air cooling.
- ✓ **TF version:** Main frame with fixed extrusion height.
- ✓ **TM version:** Main frame with wheels and column with adjustable extrusion height and angles.

Reference outputs

Outputs (kg/h)	LDPE	HDPE	SOFT PVC	RIGID PVC	ABS	PC	TPU
MC-TF20-18D MC-TM20-28D	3	3	3	5	4	4	3
MC-TF20-28D MC-TM20-28D	5-7	5-7	5	-	5	-	5
MC-TF25-25D MC-TM25-25D	15	15	10-15	15	15	10-15	10-15
MC-TF30-20D MC-TM30-20D	15-20	20	15-20	15-20	20	15-20	15
MC-TF30-28D MC-TM30-28D	15-20	20-25	15-20	-	15-20	-	15

Calibration tables

Cooling and vacuum tanks

Our calibration tables have a new design in order to achieve the most practical way to operate as possible.

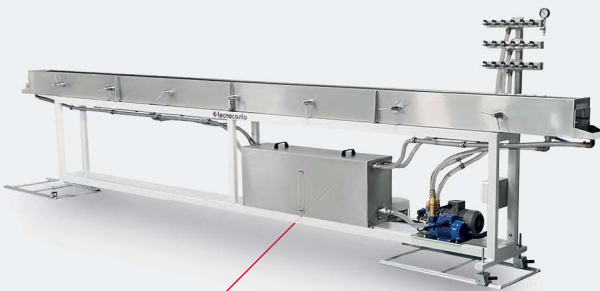
This user friendly design provides manual sets for up, down and side adjustment, and motorized forward and backward adjustment. The cooling and vacuum tanks offer different lengths, with 1 or 2 chambers, with or without vacuum pump. The cooling can be made with sprayers or under water, depending on the extruded product. They all have motorized adjustment for forward and backward movement.



MC-CT200

Main features

- ✓ Stainless steel tanks as well as all parts in contact with water.
- ✓ Powerful vacuum and water pumps that allows to have constant vacuum.
- ✓ Vacuum and water distributors with central water tank (MC-TVAR and MC-CT models).
- ✓ Clamping rails for easy installation of different tooling (MC-CT model).
- ✓ Air blower (MC-CT model).



MC-TVAR6000



MC-TV3000

Haul-offs (Pullers)

Tecnocanto belt haul-offs are the evidence that force and precision can be together at the same machine.

They are used for continuous extraction of pipes and profiles. They are known especially for consistent performance even at high production speeds.

We develop custom made haul-offs for special applications.



Main features

- ✓ Poly-V-belt with rubber coating.
- ✓ Pneumatic opening and closing.
- ✓ Closing with pressure and back-pressure control.
- ✓ AC motors with frequency converter.
- ✓ Direct transmission with independent motors on each belt (MC-PT1300).
- ✓ Digital speed display (m/min).
- ✓ Digital meter counter with alarm output (as option).
- ✓ Measuring wheel (as option).
- ✓ Touch screen interface with PLC control (as option).

Standard models

MC-PT500

Compact machine for small and flexible profiles/pipes.

MC-PT750

All rounded traction puller.

MC-PT1300

The almighty with the very best technology.

Cutting saws

The cutting saws made by Tecnocanto offers short maintenance and very accurate cut due to its unique synchronization system.

The head of the saw moves with a servo-motor system that allows the cutting speed to be totally synchronized with the line speed. The rotating cutting blade is easily interchangeable depending on the type of plastic to cut.

Tecnocanto guillotines with a flying knife, offers a revolutionary way to cut plastic pipes, tubes, rods or profiles, eliminating completely any inconvenience arising from creation of chips and dust material. The cutting blade cuts with very high speed and it can be heated or not, according to the type of plastic to cut. It preforms high accurate cutting length with line speed up to 25m/min and 40cuts/min.



Main features

Saw

- ✓ AC motor with frequency converter.
- ✓ Touchscreen interface with PLC control.
- ✓ Vacuum dust remover (MC-SEP models).
- ✓ Line speed up to 15 m/min.
- ✓ Clean cut without chips or dust (MC-SEPLAN models).

Guillotine

- ✓ Servo-motor with frequency converter.
- ✓ High speed blade with heating (option).
- ✓ Measuring wheel (option).
- ✓ Clean cut without chips or dust.
- ✓ Line speed up to 10 cuts/sec.



Standard models

MC-SEP250

Saw with rotating blade with 250mm diameter (cuts 180mm width).

MC-SEP400

Saw with rotating blade with 400mm diameter (cuts 330mm width).

MC-SEPLAN32

Planetary saw for rigid pipes up to 32mm diameter – clean cut without chips or dust.

MC-GUI50R

Guillotine with servo-motor driven blade for fast cuts: up to 40cuts/min.



Coilers

Tecnocanto semi-automatic coilers are designed for precise coiling of pipes, hoses and profiles.

The coiling arms can be adjusted for the desired inner diameter and width of the coil. The coil can be easily removed with the pneumatically powered collapse of the core segments and the outer segments folding down.

They have AC winder motor, which can be regulated by a dancer control or torque force. The transversal distribution has mechanical (BPS and BPD models) or motorized (BT models) synchronization with the coil revolution and pinch. Includes PLC control and touch screen interface (on BT and BPD models).



MC-BPS200



MC-BT300F(R)



MC-BPD200

Standard models

MC-BPS150 | MC-BPS200 | MC-BPS300

Single station for flexible pipes and profiles.

MC-BPD200

Double station for small rigid or flexible pipes and profiles.

MC-BT300F | MC-BT300R

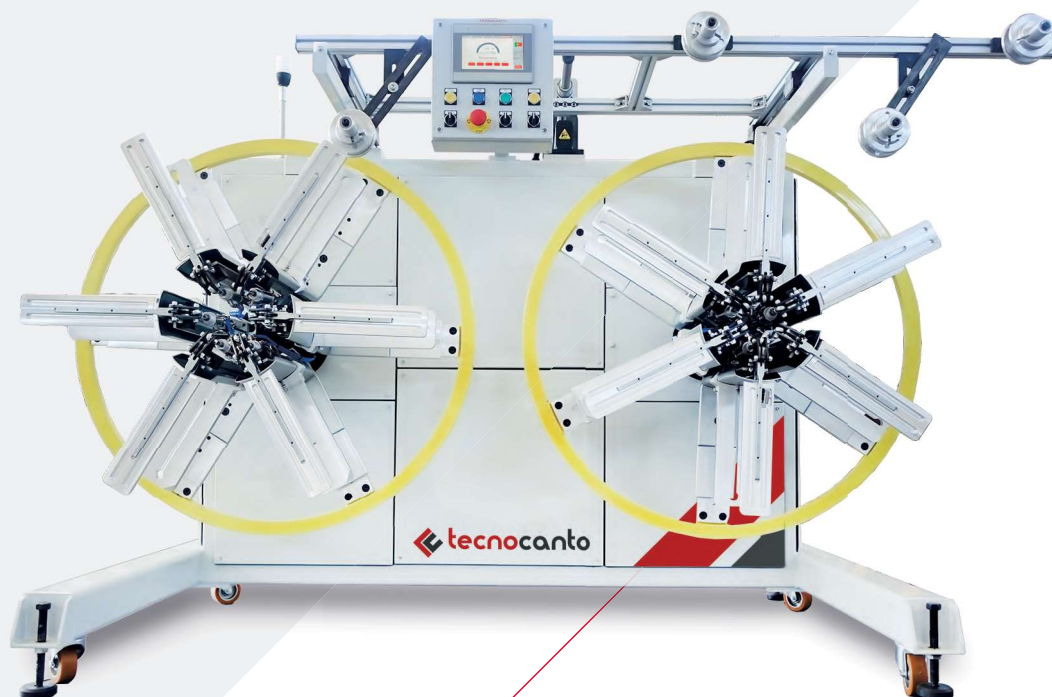
Compact double station for rigid or flexible pipes and profiles.

MC-BT400L | MC-BT700L

Double station with lock system for standard smooth rigid pipes.

MC-BT3-1000

Single station coiler for big smooth rigid pipes.



MC-BT400L

Reference outputs

Model	NR. OF STATIONS	MIN I (mm)	MAX I (mm)	MAX O (mm)	MAX W (mm)	ARMS / SUPPORT	PIPES Ø (mm)
MC-BPS150	1	150	400	600	150	Aluminium plate	up to 16
MC-BPS200	1	150	400	600	200	Aluminium plate	up to 16
MC-BPS300	1	150	400	600	300	Aluminium plate	up to 18
MC-BPD200	2	150	250	600	200	Aluminium plate	up to 32
MC-BT300F	2	180	250	600	300	60	up to 32
MC-BT300R	2	200	250	600	300	4	16-32
MC-BT400L	2	375	620	1250	400	6	16-32
MC-BT700L	2	375	620	1250	700	6	16-32
MC-BT3-1000	1	1000	1000	2100	1000	4	up to 110

Tip table



Main features

- ✓ Robust steel frame.
- ✓ Stainless steel table.
- ✓ Pneumatic cylinder discharge.
- ✓ Different length available: 2, 3 and 6 meters.

Special machines

Co-Extrusion system

MC-EX75-28D + MC-EX65-28D



Co-Extrusion line for twisted profiles

MC-EXCOEX-R-PVCF



Tying yarn winder

MC-BN250-1



Masterbach granulating machine

MC-GFIL-4





**WE BUILD THE
FUTURE TOGETHER**

Zona Industrial da Barosa, Lote 7
Carreira d'Água – Barosa
2400-016 Leiria
Portugal

T +351 244 836 637

E tecnocanto@tecnocanto.pt

