

(Original) Use and maintenance manual

Type: Manual die cutter 200mm for timing belts
Model: TM-200



IMPORTANT

Read this user manual and follow the instructions and warnings before operating this device.

Any modification or transformation performed on this machine may cause loss of the manufacturer's guarantee and liability.

This manual must always remain near to the machine and visible to all the operating and maintenance staff, for any future consultation, forming part of the equipment.

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- **CE Declaration of conformity:**

WE DECLARE, under our responsibility, that the machine:

- Type: Manual die cutter
- Brand: ERM Engineering
- Model: TM-200
- Serial No.: xxxxxx
- Manufacturer date: 2021

Inspired by the directives of the Official Journal of the European Communities:

2006/42/CE Machinery Directive

Complies with the design and construction specifications of the European Standards on General Machine Safety:

EN 349 - EN 614-1 - EN 614-2 - EN 12100 - EN 11161-1 - EN 1005-1 - EN 1005-2 - EN 1005-3 - EN 1005-4 - EN 13849-1 - EN 13849-2 - EN 894-3 - EN 13857 - EN 14120

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ermengineering
belting fabrication equipment

Arenys de Munt (Barcelona)-SPAIN

Date: 2021/08

- **Description:**

Portable die cutter to cut conveyor belts in zigzag, Exchangeable cutting heads for different cutting geometries.

Support bench with material positioning guides.

This die cutter is especially designed to operate onsite for cut thermoplastic materials with interior tissue.

The head is removable to reduce the weight during the transport.

- **Technical characteristics:**

Dimensions	600x240x520 (l x w x h)
Weight	32 Kg
Max. Thickness	15 mm.
Max. belt width	200 mm.
Standard finger	120x15 mm

- **Using instructions:**



WARNING:

**THIS DEVICE INVOLVES THE HAZARD OF HANDS AND ARMS BEING TRAPPED BY THE MOVEMENT OF THE CUTTING HEAD
GREAT CARE MUST ALSO BE TAKEN BETWEEN THE CUTTING HEAD AND THE SUPPORT PLATE, AS THERE IS A DANGER OF CUTTING LIMBS.**

Operate instructions:

Cut the belt 200 mm longer than final measure.

First we place the first end of the belt on the pins side by the guide rail with the teeth on top and position under the two trad bar until end of aluminum plate.



Before fix the belt, adjust the position in the table line.

Fix the belt lowering the bar with two knobs tightening at the same time.



Once the belt is in position and complete fixed, unlock the step pin and move the table until first hole of step plate.



After each cut operation , handle are complete unlock the pin position and move the table until next hole.

When the first head of belt are complete punched, open the clamp , remove the belt and introduce the second head in the oposite side, with teeth on top also.

Belt cutting measurements for the different punches.

120x15 90°200 mm. Longer

Changing die head



WARNING:

When changing the die, it is recommended to turn off the equipment with the OFF switch for greater safety.

Remove the punching head for replaces the knives plate.

We remove the 2 bolts using a 5mm Allen key.



We remove the die and install the new one.

We tighten the 2 bolts again.

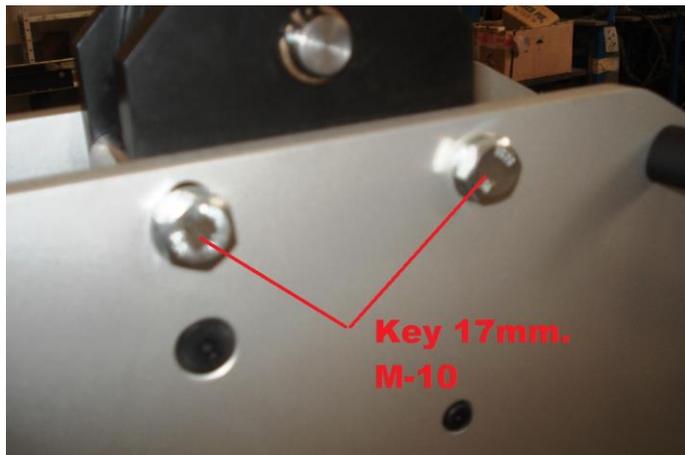
Adjust the pressure stroke:

NOTE:

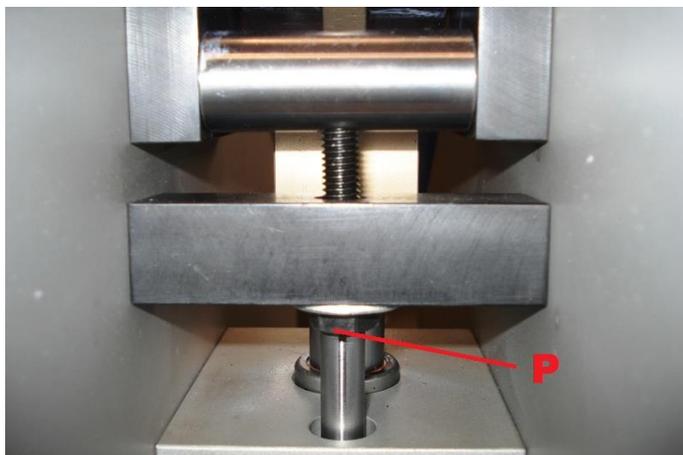
We must adjust the cutting pressure for every time that aluminium plate is replaced.

Otherwise, excess pressure may cause breakage of the blades, or deterioration of the cutting nylon.

Loosen the 4 screws key 17mm M-10.

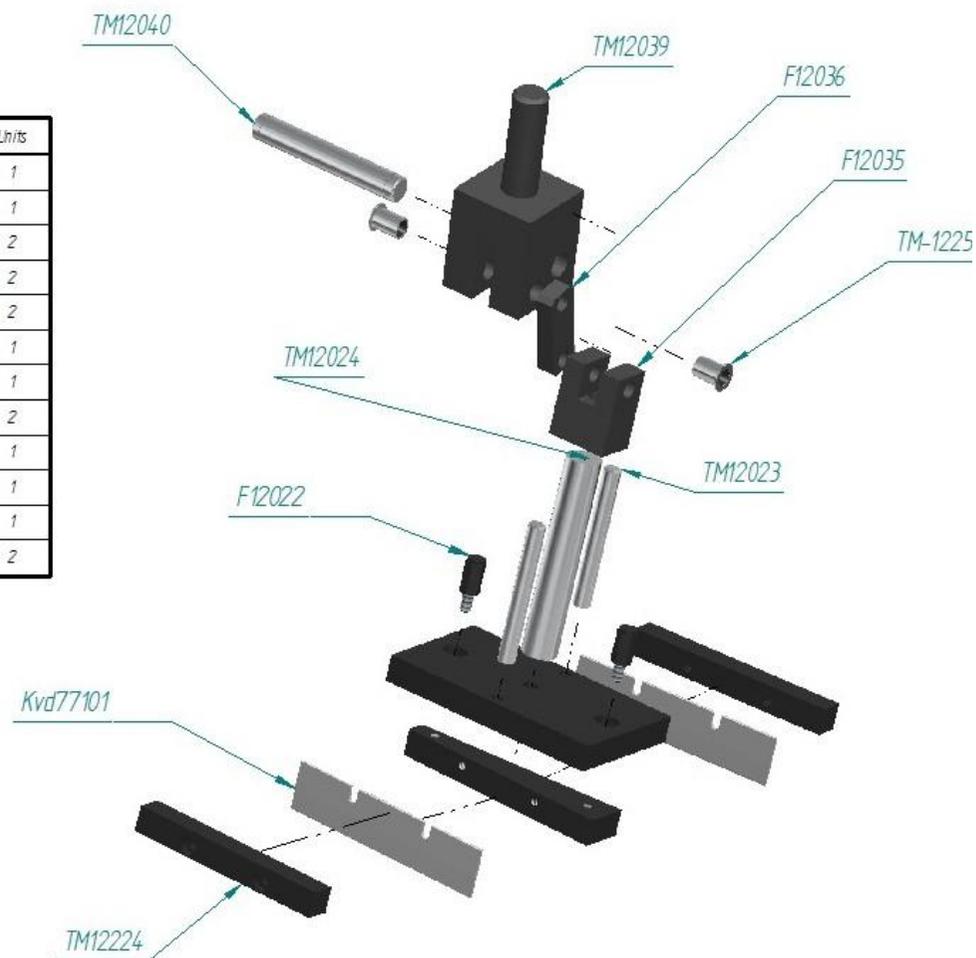


Up or down the back side of head across the screw (P) pressure like a next picture.



- Spare parts:

Número de documento	Part Name	Units
TM70200	Base para TR	1
TMTR120x15	Base 1	1
Kvd77101	cuchilla 2x125 doble bisel normal	2
TM12224	Placa cuchilla TM	2
TM12023	barra guía troquel	2
TM12024	Eje presión TM	1
F12035	Anclaje vástago	1
F12022	Tornillo troquel	2
F12036	BISAGRA TM	1
TM12039	EXCENTRICA TM	1
TM12034	Eje excéntrica	1
TM-1225	Paf 10-12-16	2



Use and maintenance manual

Manual die cutter

Model: TM-200

Número de documento	Part Name	Units
TM12028	Cierre bancada 2	2
TM151214	Rail_HGR15R00931_20_0	1
TM12027	pasamano arriba	1
TM12031	Frontal	1
TM12035	placa guias	1
Kh20pp	inafag_kh20-pp_4q9xr006p1arh s4o7se12nei	2
TM12032	Regulador presión TM	2
TM12034	Tape regulación	1
TM12030	Frontal 2	1
TM12026	Dado paso	2
SA152010	SEL 15-20-10	2
SA151035	SEL 10-15-25	2
TM12033	Vasla ajuste	1
TM12039	Bolt_DIN_931_M8x70_v10.50	1
TM12029	Pata TM	2
TM12029-2	Pie TM	2
E2101	565-1	4

