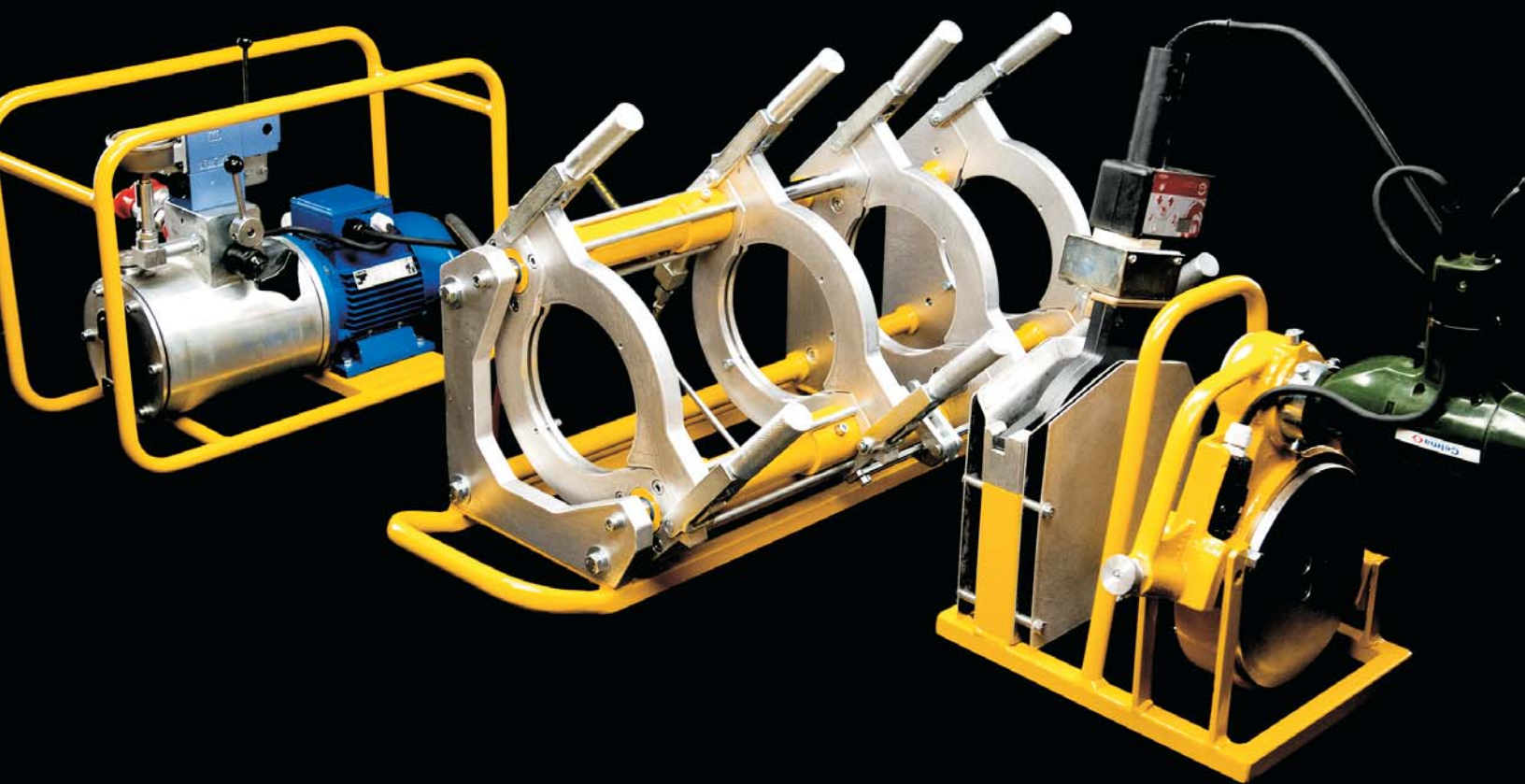


# TRACK RANGE

Butt fusion machine manually operated for polyethylene jointing



FC-78-PMH-12E



ACUSTER

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## INFORMATION

Butt fusion machines, electro-hydraulically operated, for the jointing of PE pipes and fittings along another plastic resins such as PP, PB, PVDF, in a range from 50 up to 1200 mm.

Due to its simple and ergonomic construction, the TRACK range combines its high use features with its excellent handling because the low weight of its components.

The current models that compose the TRACK range are:

> Model	> Range of sizes
TRACK 160	50 to 160 mm.
TRACK 250	75 to 250 mm.
TRACK 315	90 to 315 mm.
TRACK 400	160 to 400 mm.
TRACK 500	250 to 500 mm.
TRACK 630	355 to 630 mm.
TRACK 800	630 to 800 mm.
TRACK 1.200	710 to 1.200 mm.

### The machine is made up of the following components:

#### BASE FRAMEWORK

> It consists of a metal frame provided with two transport handles where the four lower clamps are anchored. Four removable upper clamps are mounted on the top. The lower and upper clamps are made of aluminium providing a very low weight. The upper clamps are kept on position by means of hand-locking devices (no tools required).

>The movable clamps are operated by two double-effect hydraulic cylinders connected to high pressure flexible hoses

#### HEATING PLATE

>It is made of aluminium coated with PTFE. The surface temperature is electronically controlled.

#### TRIMMER

>It is operated by means of an electric actuator through chain transmission. It is provided with a safety switch to avoid not wished operation.

#### ELECTRO-HYDRAULIC STATION

> It is composed of: electric motor, pump, distributor, pressure regulator (provided with pressure limiter), joystick lever for Open-Neutral-Close selection, drain valve, quick plugs, oil tank with view finder.

Remark: according to the machine model selected from the TRACK range, the features described above as per the electric motor power and pump flow can be different.



BASE FRAMEWORK



HEATING PLATE / TRIMMER



ELECTRO-HYDRAULIC STATION



SIZE RANGE FROM DN160 UP TO DN1200

BASE FRAMEWORK	TRACK 160	TRACK 250	TRACK 315	TRACK 400	TRACK 500	TRACK 630	TRACK 800	TRACK 1200
Range of sizes	50-160	75-250	90-315	160-400	250-500	355-630	630-800	710-1200
Exterior dimensions (cm)	79x39x41	79x44x47	79x55x54		121x66x70			
Weight without pipe adapters (kg)	32,5	41	44,5	71	107	250	320	380
Set of basic pipe adapters	90, 110, 125	110, 125, 160, 180, 200	200, 225, 250	250, 280, 315, 355	355, 400, 450	400, 450, 560	630, 710	710, 800, 900, 1000
Transport case dimensions (cm)	54x36x12	64x35x17	64x35x17		76x44x36			
Weight of pipe adapters (with case) (kg)	10	24	18,5	55	68	260	200	680

HEATING PLATE	TRACK 160	TRACK 250	TRACK 315	TRACK 400	TRACK 500	TRACK 630	TRACK 800	TRACK 1200
Voltage (Vac)			230				400	
Power (W)	1000	1900	2100	3100	3800	6800	8000	16000
Temperature regulation	Adjustable electronically from 180 to 280 °C							
Coating	PTFE							
Exterior dimensions (cm)	27x6,5x50	36x12x58	47x11x70		64x8x110			
Weight (kg)	3,35	5,5	7,2	9	17,5	30	30	120

TRIMMER	TRACK 160	TRACK 250	TRACK 315	TRACK 400	TRACK 500	TRACK 630	TRACK 800	TRACK 1200
Voltage (Vac)			230				400	
Power (W)	500	1010	1010	1010	750	1100	1100	1500
Cutting blades	Double edge, adjustable							
Exterior dimensions (cm)	36x26x45	41x36x42	46x47x55		62x23x98			
Weight (kg)	8,3	15,3	21,8	31	58	70	120	180

HEATING PLATE AND TRIMMER HOLDER	TRACK 160	TRACK 250	TRACK 315	TRACK 400	TRACK 500	TRACK 630	TRACK 800	TRACK 1200
Exterior dimensions (cm)	32x25,5x34	36x33x34	40x37x42		60x60x70			
Weight (kg)	4,22	6,5	8		22,5			

ELECTRO-HYDRAULIC STATION	TRACK 160 - 250	TRACK 315 - 400	TRACK 500	TRACK 630 - 800	TRACK 1200
Voltage (Vac)	230 Mono-phasic			400 Three-phasic	
Power (W)	0,37	0,55	0,75	0,75	1,1
Maximum pressure (bar)	55	95	150	150	150
Pressure gauge (bar)	0-60	0-100	0-160	0-160	0-160
Exterior dimensions (cm)	51x31x41,5	51x31x41,5	51x31x41,5		
Weight (kg)	26,5	29,6	31,5	70	70

COMPLETE MACHINE	TRACK 160	TRACK 250	TRACK 315	TRACK 400	TRACK 500	TRACK 630	TRACK 800	TRACK 1200
Voltage (Vac)	230 Mono-phasic				400 Three-phasic			
Power (W)	1,87	3,28	3,66	4,86	6,75	8,65	10,2	18,6
Nett weight w/o pipe adapters (kg)	75	95	111		236,5			
Nett weight w. pipe adapters (kg)	87	119	137		304,5			

GENERADOR SPECIFICATIONS	TRACK 160	TRACK 250	TRACK 315	TRACK 400	TRACK 500	TRACK 630	TRACK 800	TRACK 1200
Voltage (Vac)	230 Mono-phasic				400 Three-phasic			
Advisable minimum power (VA)	2500	4000	4500	6000	8500	10800	13000	24000

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## SPARE PARTS

Sets of pipe adapters for jointing pipe diameters from DN50 to DN1200 are available.



## OPTIONS

Owing to its high performance features and to ensure the correct use and long service life for the machinery, we recommend the use of the HONDA generators.



## MAINTENANCE

As the manufacturer of the TRACK range of butt machines, the Acuster group has an After-sales Department and offers all our clients our facilities, tooling and skilled staff for:

- > Maintenance work, overhauls and repairs as necessary for the correct operation of their equipment for many years, ensuring a length service life.
- > Calibration and certification of the calibrations in accordance with the technical machinery inspections required by the companies (e.g. Gas Natural sdg).
- > The supply of spares.
- > Equipment hire service.
- > Technical consultancy service and training and recycling courses for welders.

### • RELATED DATASHEETS •

<b>PMH</b>	<b>Machinery and tools programme:</b> <b>BASIC MACHINE</b> (butt fusion) <b>TWIN MACHINE</b> (butt fusion & electro-fusion) <b>DYNAMIC MACHINE</b> (butt fusion) <b>PE PIPES MANUAL SQUEEZER</b> <b>PE PIPES HYDRAULIC SQUEEZER</b> <b>TOOLS FOR PE</b> <b>PE PIPES CUTTING TOOLS</b> (pipe cutter)	FC-78-PMH-03 FC-78-PMH-04 FC-78-PMH-05 FC-71-PMH-08 FC-71-PMH-09 FC-71-PMH-10 FC-52-PMH-11
<b>PTP</b>	<b>Plastic pipe programme:</b> <b>POLYETHYLENE FITTINGS II</b> (butt fusion)	FC-79-PTP-05

