

AUTOMATIC FUSION EQUIPMENT
AUTOMATIC TRACK
WITH TRACEABILITY

The ODS-Track R automatic fusion equipment consists of the TWIN and DYNAMIC control units.



- Electrofusion
- Butt fusion

Butt fusion → both models are used for the jointing of PE pipes and fittings and other plastic resins, in a range of diameters from 50 up to 630 mm.



FUSION CONTROL BOX SPECIFICATIONS

MODEL	TWIN	DYNAMIC
Classification acc. To ISO 12176-2	2 1P 4UES VKADX	
Input voltage	180Vac to 264Vac. Nominal voltage: 230 Vac 45 Hz to 65 Hz. Nominal frequency: 50 Hz	
Output power	3500 W (maximum)	
Generator output (for electrofusion)	4.5 KVA monophasic (electronic regulation preferably)	
Input fuse (external)	16 A at 230 Vac	
Protection fuse (internal)	20 A at 230 Vac	
Protection class	IP54	
Operating temperatures	-20° to 50° C (can be modified on request)	
Temperature control	NTC (interior and exterior)	
Acoustic signal	Piezoelectric boozer	
Display	Graphic LCD of 240x128 points in resolution; 16 lines	
Keyboard	8 touch-sensitive membrane push-buttons	
Connection to a PC and printer	special RS-232 serial	
Optic pen/scanner	Non-intelligent infrared (Laser scanner optional)	
Connection to optic pen, scanner, PC, printer	Serial connector RS-232	
Internal memory capacity	-1000 fusion records	
Power cable	3x2.5 mm for 230Vac (Schuko + French type plug) 4 m long 2	
Electrofusion voltage	8 to 48 V galvanically separated	
Electrofusion time	Up to 5940 seconds (99 minutes)	
Enter fusion data	Automatic acc. to ISO/TR 13950 Manual according to setup	
Duty factor	20 to 100% (according to fitting's size) Electronic temperature control	
Electrofusion cable	1x16 mm 4 m long 2 (female terminals of diameter 4 mm)	
Included accessories	Front protection; Rear bag; Optic pen; ODS transmission cable Password 1 and 2 cards; AcusWin CD-Rom; Transport case	
	Set of 4 & 4.7 mm electrofusion adapters	
Optional accessories	Laser scanner; Serial printer	
Dimensions	Height: 460 mm; Width: 450 mm; Length: 470 mm	
Net weight	34 kg	20 kg





COMPLETE MACHINE DATA FOR BUTT FUSION

MODEL	T-160	T-250	R-315	R-400	R-500
Voltage (Vac)	230 (Mono-phasic)				
Machine total power (kW)	2.25	3.66	3.7	4.7**	5.65**
Generator advisable minimum power (VA)	3000	4500	6000	7000	7500
Net weight w/o pipe adapters (kg)*	75	95	190	177.6	236.5
Net weight w. pipe adapters (kg)*	87	119	250	212.6	304.5

* without Fusion box

** to avoid that the high consumption of the heating plate and the trimmer goes through the fusion box, these two models are provided with a Switch Box that is used to supply a direct voltage of 230Vac to both components. For further information refer to the *User Manual*.



Models available:

Automatic Butt Fusion: DYNAMIC T160: 50 to 160 mm	GL178700
Automatic Butt Fusion: DYNAMIC R250: 75 to 250 mm	GL178722
Automatic Butt Fusion: DYNAMIC R315: 90 to 315 mm	GL178707
Automatic Butt Fusion: DYNAMIC R400: 160 to 400 mm	GL178708
Automatic Butt Fusion: DYNAMIC R500: 250 to 500 mm	GL178720 w/o adapters
Automatic Butt Fusion: DYNAMIC T630: 355 to 630 mm	GL178706 w/o adapters

All above models have total traceability and are supplied fully equipped.



The ODS-Track machines fulfill the related CE Directives and the following ISO Specifications: 12176-1-3-4 for TWIN-S & DYNAMIC-S; 12176-2 and ISO/TR 13950 for TWIN-S.