

# High Tech Extruders

*made simple!*



- ▶ All tools are built following the new "Flicker regulations"
- ▶ Decisively less wear parts than other extruder brands
- ▶ Each extruders' main screw and cylinder barrel are made out of tempered steel
- ▶ Patented temperature measurement system by Dohle - Germany (The thermocouple is located inside the mass barrel on the outlet, this guarantees a perfect temperature control and read out.)
- ▶ Cold start protection by mass and air temperature
- ▶ Set and actual temperature displayed at the same time
- ▶ Auto air types exceed the specified minimum air quantity of 300 Lt/min
- ▶ All types can be upgraded with a revolving head with integrated preheat nozzle to weld in any direction
- ▶ No wear parts on the rod feed system
- ▶ Lower weight due to the use of light weight materials
- ▶ Integrated thermo - blocker protects the drive machines
- ▶ Rotable handle

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**Type 1502 S**



**Type 3002 S**



**Type 2002 S**



**Type 1502 CS**



**Type 2002 CS**



**Type 3002 CS**

Type	1502 S	1502 CS	2002 S	2002 CS
Voltage	230V			
Drive consumption	800W			
Mass heating consumption	X	X	500W	500W
Preheat air consumption	3300W	3400W	2200W	2300W
Total power consumption	4100W	4200W	3500W	3600W
Air consumption	300 l/min.			
Output with HDPE material	$\varnothing = 3 \text{ mm } 0.6 \text{ kg/h}$ $\varnothing = 4 \text{ mm } 1.7 \text{ kg/h}$			
Welding materials	PE/PP - welding rod			
Weight	4.7 kg	5.2 kg	5.3 kg	5.8 kg

Types 1500 + 1500 C with mass temperature control

Types 3000, 3000C and 3000CS available for 5 mm welding rod

Type	3002 S	3002 CS	3002 S	3002 CS
	for 4 mm welding rod		for 5 mm welding rod	
Voltage	230V		230V	
Drive consumption	800W		800W	
Mass heating consumption	600W		600W	
Preheat air consumption	2200W	2300W	2200W	2300W
Total power consumption	3600W	3700W	3600W	3700W
Air consumption	300 l/min.		300 l/min.	
Output with HDPE material	$\varnothing = 4 \text{ mm } 3.7 \text{ kg/h}$ $\varnothing = 3 \text{ mm } 1.8 \text{ kg/h}$		$\varnothing = 4 \text{ mm } 3.7 \text{ kg/h}$ $\varnothing = 3 \text{ mm } 1.8 \text{ kg/h}$	
Welding materials	PE/PP/PVC/PVDF - welding rod			
Weight	7.3 kg	7.8 kg	7.3 kg	7.8 kg

Subject to technical changes without prior notice!

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**Type 5002 S**



**Type 5002 CS**



**Type 6002 PC**

Type	5002 C	5002 CS	6002	6002 PC
Voltage	230V			
Drive consumption	1600W			
Mass heating consumption	1200W			
Preheat air consumption	3300W	3400W	3300W	3400W
Total power consumption	6100W	6200W	6100W	6200W
Air consumption	300 l/min.			
Output with HDPE material	Ø = 5 mm 5.8 kg/h Ø = 4 mm 3.5 kg/h		up to 6 kg/h pending to the pellets	
Welding materials	PE/PP - welding rod		PE - pellets	
Weight	9.3 kg	9.8 kg	10.3 kg	10.8 kg

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**Type 5002 C-3**



**Type 6000 P-3**



**Head frontal**



**Type 25002**



**Head lateral**

Type	5002 C-3	6002 P-3	25002
Voltage	3 X 400V N/PE		
Drive consumption	1500W		4400W
Mass heating consumption	1200W		3000W
Preheat air consumption	3400W	3300W	3000W
Total power consumption	6100W	6000W	10400W
Air consumption	300 l/min.		
Output with HDPE material	Ø = 5 mm 5.8 kg/h Ø = 4 mm 3.5 kg/h	up to 6 kg/h pending to the pellets	12 kg/h
Welding materials	PE/PP - welding rod	PE - pellets	
Head weight	X	X	8 kg
Total weight	17 kg	18 kg	210 kg

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**Cordless high pressure pump**  
Max. pressure 0-10bar (150PSI)  
Air flow 14 l/min.



**Test needle**  
To test the quality of double wedge welds.



**De-reeler for welding rod**  
Support of two rolls of welding rod.



**Sheet puller**  
To pull the geoliners.



**Vacuum test bell**  
Total of 8 different types available.



**Vacuum pump**

Power	KW	0.12
Vacuum	bar	0.85
Frequency	Hz	50/60



**Spark tester kit**  
High frequency equipment for testing the extrusion weld.  
Gun only also available.



**Welding tips**  
Large number of shaped and unshaped tips available.  
Each extruder includes two tips for free.



**Revolving head**  
Rotable 360° with integrated air nozzle.

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## Technical data for PP welding

Type	3002 S	3002 CS	3002 S	3002 CS
	for 4 mm welding rod		for 5 mm welding rod	
Voltage	230V		230V	
Drive consumption	800W		800W	
Mass heating consumption	600W		600W	
Preheat air consumption	2200W	2300W	2200W	2300W
Total power consumption	3600W	3700W	3600W	3700W
Air consumption	300 l/min.		300 l/min.	
Output with HDPE material	$\varnothing = 4 \text{ mm}$ ca. 3.0 kg/h $\varnothing = 3 \text{ mm}$ ca. 1.5 kg/h		$\varnothing = 5 \text{ mm}$ ca. 3.0 kg/h $\varnothing = 4 \text{ mm}$ ca. 1.5 kg/h	
Welding materials	PP - welding rod			
Weight	7.8 kg	7.8 kg	7.8 kg	7.8 kg

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Type	5002 S	5002 CS	6002	6002 PC
Voltage	230V			
Drive consumption	1600W			
Mass heating consumption	1200W			
Preheat air consumption	3300W	3400W	3300W	3400W
Total power consumption	6100W	6200W	6100W	6200W
Air consumption	300 l/min.			
Output with HDPE material	$\varnothing = 5 \text{ mm}$ ca. 5.0 kg/h $\varnothing = 4 \text{ mm}$ ca. 3.5 kg/h		up to 6 kg/h pending to the pellets	
Welding materials	PP - welding rod		PE - pellets	
Weight	9.3 kg	9.8 kg	10.3 kg	10.8 kg

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**The best extrusion  
welder money  
can buy!**