

Conversion and replacement overview for UNICOAT and SOUCOAT Powder Systems

- applicable
- not applicable

System Module	feature	conversion PCE or UNICOAT to SOUCOAT P-80S SOUCOAT P-120S		conversion SOUCOAT P-60 or P-120 to P-80S to P-120S		new SOUCOAT S P-80S P-120S	
General	welding speed > 85 m/min	○	●	○	●	○	●
	ready for UNICONTROL system	● ¹	● ¹	● ¹	● ¹	● ¹	● ¹
FDC Powder recycling unit	new FDC-400	○	○	○	○	●	●
	new electro cabinet	●	●	●	●	●	●
	mechanical upgrade - new level indicator <i>(FDC built until 2016)</i> - automatic filter cleaning <i>(FDC built until 2018, only for FDC-1000)</i> - hose feed from top <i>(FDC built until 2009)</i>	●	●	●	●	○	○
	industry 5.0 - lower energy consumption - lower sound level	●	●	●	●	●	●
	filter monitoring	○	●	○	●	○	●
CPF Powder application unit	new CPF-400	●	●	●	●	● ²	● ²
	proportional valves for all airflow settings	●	●	●	●	●	●
	HVS-400 - newest high voltage system with self-diagnosis	●	●	●	●	●	●
	powder tubes monitoring for feed air and internal suction	●	●	●	●	●	●
	auto fluidization setting	●	●	●	●	●	●
	wear detection for nozzle and injector sleeve	○	●	○	●	○	●
	powder flow detection	●	●	●	●	●	●
	powder flow monitoring indic. for feeded powder quantity	○	●	○	●	○	●
PSA Powder Spray Arm	Cumulus spray head with adjustable retarding lips	replacement with add. cost for new spray arm if HVS is EA60/62, HVS-94 or tribo		remains		new	
Others	new welding arm cable (5 pole)	●	●	●	●	●	●
	industry 4.0 readiness for networking and data transfer	optional		optional		optional	
	SPM-2 Soudronic Powder Monitor 2	optional (advanced high-voltage diagnosis not available)		optional (advanced high-voltage diagnosis not available)		optional (advanced high-voltage diagnosis not available)	
	FPF (Bulk Powder Feeding System)	○	○	optional		optional	

Remarks 1) if UNICONTROL is not available, a stand alone control (UC4 SA) must be purchased in addition
2) standard on roller, optional directly mount on new welder SOUCAN 600S

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