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Tabular overview of process control variants for gas-shielded metal-arc welding

DVS, Technical Committee, Working Group "Welding with consumable electrode MIG/
MAG"

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1. Tabular overview of process control variants for gas-shielded metal-arc welding

Designation	Manufacturer	5.3 Controlled short arc	5.3.1 Low-spatter short arc	5.3.2. Energy-reduced short arc	5.3.3. High-performance short arc	5.5 Modified spray arc	5.6 Pulsed arc	5.7 Modified pulsed arc	5.8 Alternating current process	5.9 Combined process variant	5.10 Cyclic wire movement
CMT (Cold Metal Transfer)	Fronius	x	x	x	x						x
CMT Advanced	Fronius	x	x	x	x				x	x	x
CMT Pulse	Fronius									x	x
ColdArc	EWM	x	x	x							
ColdMIG	Merkle	x	x	x							
ColdWeld	Cloos	x		x					x		
ControlWeld	Cloos	x	x								
DeepArc	Merkle										
FOCUS.ARC	Rehm	x		x		x					
FOCUS.PULS	Rehm							x			
ForceArc	EWM					x					
HighUP	Merkle	x					x			x	
newArc	Kjellberg	x	x		x	x					
RapidWeld	Cloos					x					
RootArc	EWM		x	x							
LSC (Low Spatter Control) & LSC Advanced	Fronius		x	x							
PCS (Puls Controlled Spray Arc)	Fronius					x					
PMC (Pulse Multi Control)	Fronius							x			
POWER.ARC	Rehm	x		x							
ProSWITCH	Merkle									x	
SpeedArc	Lorch	x				x					
SpeedCold	Lorch	x	x	x							
SpeedPulse	Lorch						x	x			
SpeedRoot	Lorch	x	x								
SSA (SpeedShortArc)	Siemens Berlikon	x			x						
SpeedUp	Lorch	x					x	x		x	x
WiseRoot	Kemppi	x	x								
WiseThin	Kemppi	x		x							