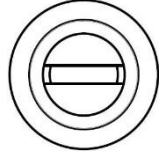
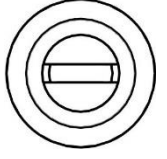
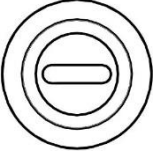
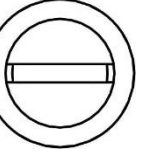
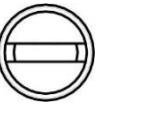
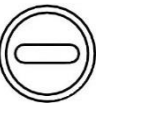
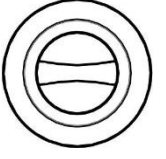
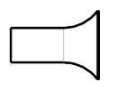
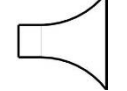
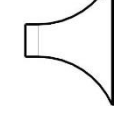
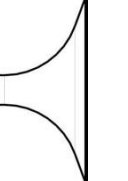
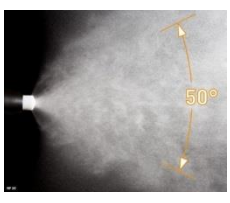
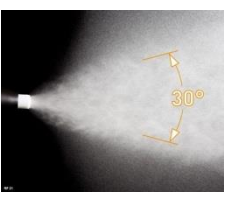
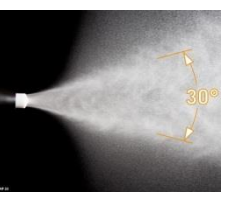
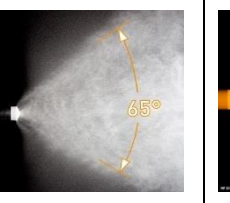
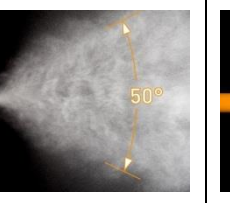
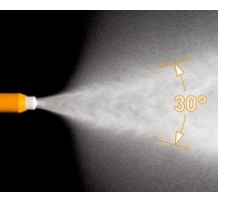
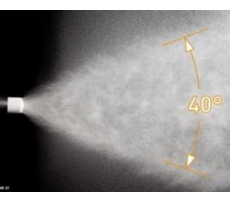
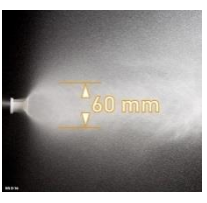
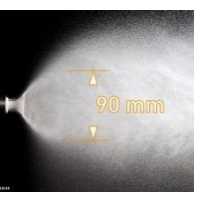
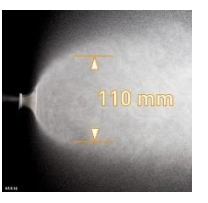
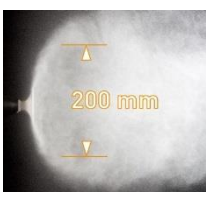


## NOZZLE ASSORTMENT for the OptiGun GA03 and OptiSelect GM03

Datum: 29. Oktober 2014 / M. Sanwald

- The power point presentation with further information's about the characteristics of the nozzles is available on our **Agent Area**: Folder name PowerPointPresentations
- Gema employee's** from St. Gallen, please use X:\User\MARKETING\PUBLIC... \TECHNIK UND PRODUKTE PPT\POWERPOINT\_NOZZLE\_ASSORTEMENT\_GA03\_GM03

Nozzle type	NF20	NF21	NF22	NF24	NF25	NF26	NF27	Deflector Ø 16 mm	Deflector Ø 24 mm	Deflector Ø 32 mm	Deflector Ø 50 mm	
Gema No. with electrode holder	1'010'160 1'007'931 (old)	1'007'932	1'008'140	1'008'142	1'007'743	1'007'744	1'010'754	1'008'259 +	1'008'259 +	1'008'259 +	1'008'259 +	
Gema No. without electrode holder (Nozzle only)	1'010'090 1'007'934 (old) 	1'007'935 	1'008'145 	1'008'147 	1'007'735 	1'007'742 	1'0107'52 	331 341 	331 333 	331 325 	345 822 	
Powder cloud												
Standard scope of delivery	Manual application Standard							Automatic application Standard				
Application	Flat parts, profiles, manual applications	Complex parts deep recess, target spraying	Complex parts deep recess, target spraying, robot applications	Large objects, flat parts, manual applications, complex parts, when nozzle close to the object	Flat parts, profiles, manual applications	Complex parts deep recess, target spraying, robot applications	Profiles, complex parts, flat parts (Limitation: NF27 requires a minimal clearance between object and nozzle)					
Powder cloud α° Powder cloud Ø	50°	30°	30°	65°	50°	30°	40°	Ø 60 mm	Ø 90 mm	Ø 110 mm	Ø 200 mm	
Velocity Air setting @ [4 Nm <sup>3</sup> /h]	moderate - low	high	high	low	moderate - low	high	high – moderate	low	low	low	low	
Reach distance maximal automatic application Air settings @ [4 Nm <sup>3</sup> /h]	250 mm	400 mm	450 mm	200 mm	250 mm	450 mm	350 mm	120 mm	160 mm	160 mm	180 mm	
Remark				In combination with threaded sleeve Gema Nr. 1'008'326	In combination with extension Ø 25mm, reduced diameter to penetrate into cavities  Powder cloud like NF20	In combination with extension Ø 25mm, reduced diameter to penetrate into cavities  Powder cloud like NF22						