



GRAVOSTAR 1315HS						
technical datas of the machine	temperature	20° - 24° C				
	stability of environment temperature	1° C / h				
	max. humidity	60 %				
	machine weight	5000 kg				
	machine measurements	L = 4181 mm				
		B = 1697 mm				
		H = 1409 mm				
performance and quality datas	available engraving systems	Vision 1	65 µ at 4'500 Hz			
		Vision 3	60 µ at 8'100 Hz			
		Vision 3 Multi	90/60/35 µ at 1'700/8'100/8'600 Hz			
		Vision 3 Multi	65/60/35 µ at 3'200/8'100/8'600 Hz			
		Transcribe	55 µ at 4'500 Hz			
		High Output	130 µ at 2'000 Hz			
electrical connectinos		<b>capacity</b>	<b>network</b>	<b>cross-section</b>	<b>security</b>	
	machine	4.00 kVA	1x240V / 50 Hz	4.0 mm2	<b>internal</b>	<b>external</b>
		4.00 kVA	1x240V / 60 Hz	4.0 mm2	16 A	20 A
					16 A	20 A
machine color	machine / stripe	RAL 5012				
	cover	RAL 9002				
sonic	sonic level / open telescopic cover	98 dBa				
	sonic level / closed telescopic cover	72 dBa				
cylinder datas		<b>min.</b>	<b>max.</b>			
	circumference	350 mm	1525 mm			
	face length (total length of hollow cylinders)	200 mm	1300 mm			
	total length of shaft cylinders	500 mm	1500 mm			
	axle length	150 mm	-			
	journal diameter d1	10 mm	100 mm			
	axle diameter D2	-	-			
	cone outside diameter D2	45 mm	120 mm	according to customer's cylinder		
	cylinder weight-shaft cylinder	-	1300 kg			
	cylinder weight-hollow cylinder	-	900 kg			
	necessary copper hardness	200 HV	230 HV	+/- 5 HV at one cylinder		
	allowed eccentricity		50 my			
allowed cylindricity difference		60 my				

subject to change

<b>GRAVOSTAR 2215HS</b>						
technical datas of the machine	temperature	20° - 24° C				
	stability of environment temperature	1° C / h				
	max. humidity	60 %				
	machine weight	6000 kg				
	machine measurements	L = 5380 mm				
		B = 1727 mm				
		H = 1439 mm				
performance and quality datas	available engraving systems	Vision 1	65 µ at 4'500 Hz			
		Vision 3	60 µ at 8'100 Hz			
		Vision 3 Multi	90/60/35 µ at 1'700/8'100/8'600 Hz			
		Vision 3 Multi	65/60/35 µ at 3'200/8'100/8'600 Hz			
		Transcribe	55 µ at 4'500 Hz			
		High Output	130 µ at 2'000 Hz			
electrical connectinos		<b>capacity</b>	<b>network</b>	<b>cross-section</b>	<b>security</b>	
					<b>internal</b>	<b>external</b>
	machine	4.00 kVA	1x240V / 50 Hz	4.0 mm2	16 A	20 A
		4.00 kVA	1x240V / 60 Hz	4.0 mm2	16 A	20 A
machine color	machine / stripe	RAL 5012				
	cover	RAL 9002				
sonic	sonic level / open telescopic cover	98 dBa				
	sonic level / closed telescopic cover	72 dBa				
cylinder datas		<b>min.</b>	<b>max.</b>			
	circumference	350 mm	1525 mm			
	face length (total length of hollow cylinders)	200 mm	2290 mm			
	total length of shaft cylinders	500 mm	2700 mm			
	axle length	150 mm	-			
	journal diameter d1	10 mm	100 mm			
	axle diameter D2	-	-			
	cone outside diameter D2	45 mm	120 mm	according to customer's cylinder		
	cylinder weight-shaft cylinder	-	1300 kg			
	cylinder weight-hollow cylinder	-	900 kg			
	necessary copper hardness	200 HV	230 HV	+/- 5 HV at one cylinder		
	allowed eccentricity		50 my			
allowed cylindricity difference		60 my				

subject to change

<b>GRAVOSTAR 3615HS</b>						
technical datas of the machine	temperature	20° - 24° C				
	stability of environment temperature	1° C / h				
	max. humidity	60 %				
	machine weight	9000 kg				
	machine measurements	L = 6681 mm				
		B = 1773 mm				
		H = 1469 mm				
performance and quality datas	available engraving systems	Vision 1	65 µ at 4'500 Hz			
		Vision 3	60 µ at 8'100 Hz			
		Vision 3 Multi	90/60/35 µ at 1'700/8'100/8'600 Hz			
		Vision 3 Multi	65/60/35 µ at 3'200/8'100/8'600 Hz			
		Transcribe	55 µ at 4'500 Hz			
		High Output	130 µ at 2'000 Hz			
electrical connectinos		<b>capacity</b>	<b>network</b>	<b>cross-section</b>	<b>security</b>	
	machine	4.00 kVA	1x240V / 50 Hz	4.0 mm2	<b>internal</b>	<b>external</b>
		4.00 kVA	1x240V / 60 Hz	4.0 mm2	16 A	20 A
machine color	machine / stripe cover	RAL 5012				
		RAL 9002				
sonic	sonic level / open telescopic cover	98 dBa				
	sonic level / closed telescopic cover	72 dBa				
cylinder datas		<b>min.</b>	<b>max.</b>			
	circumference	350 mm	1525 mm			
	face length (total length of hollow cylinders)	200 mm	3600 mm			
	total length of shaft cylinders	500 mm	4000 mm			
	axle length	150 mm	-			
	journal diameter d1	10 mm	100 mm			
	axle diameter D2	-	-			
	cone outside diameter D2	45 mm	120 mm	according to customer's cylinder		
	cylinder weight-shaft cylinder	-	1300 kg			
	cylinder weight-hollow cylinder	-	900 kg			
	necessary copper hardness	200 HV	230 HV	+/- 5 HV at one cylinder		
allowed eccentricity		50 my				
allowed cylindricity difference		60 my				

subject to change