

01 | DEVELOPMENT

02 | BULK MANUFACTURING

03 | PACKAGING

04 | QUALITY CONTROL



COATING

2017 | EQUIPMENT LIST ROTTENDORF

THE FULL SERVICE TECHNICAL OPERATIONS
ORGANIZATION FOR SOLID DOSAGE FORMS.

www.rottdorf.com

FDA



ROTTENDORF
— PHARMA —

01 | PRODUCT PERFORMANCE DEVELOPMENT



GRANULATION → Development

TYPE	AMOUNT	MACHINE	FILLING PERFORMANCE (kg)		
			minimum	optimum	maximum
HIGH SHEAR MIXER FLUID BED DRYER	01	Diosna V10	0.4	0.7	0.9
	01	Diosna V10	0.8	1.4	1.8
	01	Diosna V10	2	3.5	4
	01	Diosna P25	4	8	10
	01	Diosna P60	10	21	25
	01	GPCG 3	1.5	2.5	3
	01	Aeromatik	15	25	50
HIGH SHEAR BLENDER	01	Erweka AR 400	0.1	0.7	1.2
	01	Lödige M20	4	5-6	10
COMPACTOR	01	Gerteis Mini-Pactor (04 2017)	0.1 kg/h	-	100 kg/h
FREE FALL BLENDER	02	PM 400	0.5	-	150
EXTRUDER NICA E140	01	-	0.5 kg/min	-	2.0 kg/min
EXTRUDER NICA S220	01	-	2.0 kg/min	-	8.0 kg/min
DUAL SCREW EXTRUDER ZSE 18 HP	01	-	0.5 kg/h	-	5.0 kg/h

TABLETING → Development

TYPE	AMOUNT	MACHINE	FILLING PERFORMANCE (pieces/h)	
			minimum	maximum
EURO B & D	01	T100	24,000	260,800
EURO B	01	T200	7,000	165,000

COATING → Development

TYPE	AMOUNT	MACHINE	FILLING PERFORMANCE (kg)		
			minimum	optimum	maximum
COATER	01	Driacoater 500	4	5	6
	01	BFC 50 Tripan	7-8	40	50
	01	BFC 200	150	200	250
COATING PANS	10	Brucks 15	5 sugar coating 7 coating	8	12
	01	Brucks 60 (Coating & sugar coating)	30	35	40 - 45 kg cores max. 60 kg final product

THE FULL SERVICE TECHNICAL OPERATIONS ORGANIZATION FOR SOLID DOSAGE FORMS.

www.rottdendorf.com



ROTTENDORF
PHARMA

02 | PRODUCT SUPPLY BULK MANUFACTURING



GRANULATION → Bulk Manufacturing

TYPE	AMOUNT	MACHINE	FILLING PERFORMANCE (kg)		
			minimum	optimum	maximum
HIGH SHEAR MIXER FLUID BED DRYER	01	Diosna P100	15	35	40
	01	Diosna P250	50	75	80
	01	Diosna P600	100	200	250 - 300
	01	Diosna P600 B	100	200	250 - 300
	01	Diosna P600 - VAC	100	200	250 - 300
	01	GPCG 120	100	120	150 <i>(max. 180 only drying)</i>
	01	GPCG 200 pro	200	250	300
	01	GPCG 200	200	250	300
	01	Aeromatik MP5	100	150	200
HIGH SHEAR BLENDER	01	Lödige 130	20	30	45
	01	Lödige 300	80	80	120
	01	Lödige 1200	250	450	500
FREE FALL BLENDER	02	PM 1000	-	-	-
	02	PM 2000	-	-	1,500
COMPACTOR	01	Gerteis 250 100 3	-	-	-
	01	Gerteis Macro-Pactor 250 100 3	1.0 kN/cm	-	20 kN/cm
	01	Gerteis Macro-Pactor 250 100 4	1.0 kN/cm	-	20 kN/cm
DRYING CHAMBERS	11	-	-	-	-
EXTRUDER	01	-	50 kg/h	-	200 kg/h
SPHERONIZER	01	-	2 kg/h	-	10 kg/h

TABLETING →
COATING →

THE FULL SERVICE TECHNICAL OPERATIONS
ORGANIZATION FOR SOLID DOSAGE FORMS.

www.rottdendorf.com



ROTTENDORF
PHARMA

02 | PRODUCT SUPPLY BULK MANUFACTURING



TABLETING → Bulk Manufacturing

TYPE	AMOUNT	MACHINE	FILLING PERFORMANCE (pieces/h)	
			minimum	maximum
TABLETING EURO B	04	TX 40	24,000	260,800
	04	T300	12,000	300,000
	04	S250	12,000	270,000
	01	S250+	12,000	270,000
	01	Fette F55	54,000	432,000
	04	Synthesis 500 (4 rotors / 45 tools ea.)	45,000	324,000
TABLETING EURO D	02	TX 26	16,000	170,000
	01	S250	7,800	175,500
	01	T400	27,000	556,200
	03	Synthesis 500 (3 rotors / 30 tools ea.)	28,000	138,000
	01	S250 ZS (double layer)	10,000	97,000
	01	S250 ZSM (tablet in tablet)	10,000	85,000
	01	Korschl XL800	30,000	170,000
CAPSULING	02	GKF 1400	50 tacts × 10 capsules → 30,000 capsules/h	140 tacts × 10 capsules → 84,000 capsules/h
	02	GKF 1500	25 tacts × 12 capsules → 90,000 capsules/h	125 tacts × 12 capsules → 90,000 capsules/h

COATING → Bulk Manufacturing

TYPE	AMOUNT	MACHINE	FILLING PERFORMANCE (kg)		
			minimum	optimum	maximum
COATER	01	Driacoater 1600 (Coater 2)	180	250 - 300	400
	01	Driacoater 1600 1 (Coater 3)	200	300 - 350	450 - 500
	01	Driacoater 1600 1.25 (Coater 1)	300	450	550
	01	Bohle Coater BFC 400	300	400	500
	02	Bohle Coater BFC 600 (Coater 5 & 6)	450	600	750
COATING PANS	10	120 l coating pans	40 - 45	60	70 kg cores 150 kg final product
	09	250 l coating pans	80	120	160 kg cores 300 - 320 kg final product

THE FULL SERVICE TECHNICAL OPERATIONS
ORGANIZATION FOR SOLID DOSAGE FORMS.

www.rottdorf.com



ROTTENDORF
PHARMA

03 | PRODUCT SUPPLY PACKAGING

04 | QUALITY UNIT QUALITY CONTROL



PACKAGING		
TYPE	AMOUNT	MACHINE
BLISTER LINES	04	Giant
	03	Uhlmann UPS 4
	01	Uhlmann UPS 2
	01	Uhlmann Double blister line BEC500
BOTTLE LINES	02	IBC 120
POWDER FILLING	02	Optima

QUALITY CONTROL		
TYPE	AMOUNT	MACHINE
DISSOLUTION TESTING DEVICES	07	Erweka, Pharmatest
	02	Sotax
	02	Agilent (<i>auto sampler</i>)
HPLC	30	Waters
H-CLASS	05	Waters
GC	04	Agilent

We master your product –
not just manufacture it!

THE FULL SERVICE TECHNICAL OPERATIONS
ORGANIZATION FOR SOLID DOSAGE FORMS.

www.rottdorf.com



ROTTENDORF
PHARMA

Feel free to
Contact us.



PRODUCT PERFORMANCE

01

Bruno Buss
*Senior Director
Product Performance*



PRODUCT DEVELOPMENT

01

Dr. Kevin Kiehm
*Director Product Technology
Director Product Development*



PRODUCT SUPPLY

02+03

Dr. Silke Huster
*Senior Director
Product Supply*



BULK MANUFACTURING & PACKAGING

02+03

Lea Pawlewski
*Director Product
Manufacturing*



QUALITY CONTROL

04

Dr. Christian Gausepohl
Senior Director Quality Unit



BUSINESS RELATIONS

Gema Moreno Cobo
Director Business Relations
P (+49) 25 24. 2 68 - 226



ROTTENDORF PHARMA GmbH

Ostenfelder Str. 51 - 61 | 59320 Ennigerloh, Germany
P +49 (0) 25 24. 268 0 | F +49 (0) 25 24. 268 100
M info@rottendorf.com