TRÜTZSCHLER SPINNING

blow room

TECHNICAL DATA



CONTENT

4 Bale openers

6 Installation protection

8 Cleaners and openers

10 Mixers

12 Foreign part separator

14 Tuft blending installations

16 Control systems

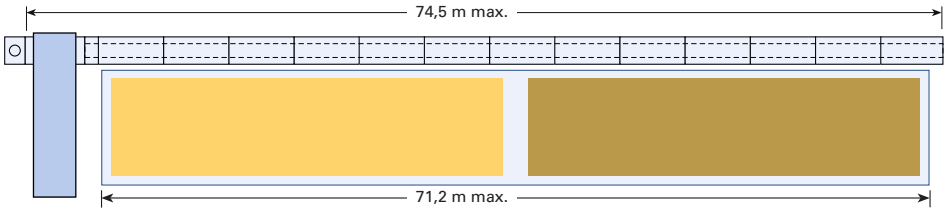
18 Disclaimer

Bale openers

Portal Bale Opener BO-P

Portal bale opener	Machine length mm	Machine width mm	Machine height mm	Work-off length mm	Work-off width mm	Max. bale height mm	Max. continuous power kW	Average power consumption kW/h	Max. continuous production kg/h	Noise level db (A)
BO-P	15,500–74,500	4,340	3,750	12,252–71,300	2,900/3,500	1,800	17.7	12.6	2,500/3,000	< 70

Work-off widths and max. number of bales

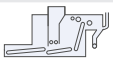


Machine length > 9,6	m	9.6	12.5	15.5	18.4	21.4	24.3	27.3	**30.25**[2]	33.2	36.1	39.1	420
Total work-off length[1]	m	6.3	9.3	12.2	15.2	18.1	21.1	24.0	**27.0**	29.9	32.9	35.8	38.8
Work-off width 2,9 m	Number of bales[3]	34	50	66	82	98	114	131	147	163	179	195	211
Work-off width 3,5 m	Number of bales[3]	41	61	80	99	119	138	158	177	196	216	235	254
Work-off width 2,9 m	Total weight[3]	6	9	12	15	18	21	24	27	30	32	35	38
Work-off width 3,5 m	Total weight[3]	8	11	15	18	22	25	29	32	36	39	43	46

Machine length > 45,0	m	45.0	47.9	50.9	53.8	56.8	59.7	62.7	65.6	68.6	71.5	74.5
Total work-off length[1]	m	41.7	44.7	47.6	50.6	53.5	56.5	59.4	62.4	65.3	68.3	71.2
Work-off width 2,9 m	Number of bales[3]	227	243	259	275	291	307	323	339	355	371	387
Work-off width 3,5 m	Number of bales[3]	274	293	312	332	351	370	390	409	429	448	467
Work-off width 2,9 m	Total weight[3]	41	44	47	50	53	56	59	62	65	67	70
Work-off width 3,5 m	Total weight[3]	50	53	57	60	64	67	71	74	78	81	85

1) A distance of 2 m must be considered between the bale groups. This reduces the working length.
2) = Standard length 30.25 m
3) When using 90 % of the theoretical area

Manual bale openers

Manual bale openers		Frame width mm	Total width mm	Total length mm	Total height mm	Max. continuous power kW	Average power consumption kW	Max. continuous production[1] kg/h	Storage capacity m^3	Noise level db (A)
	**BO-C**	1,000	1,464	5,265	2,250	2.8	1.9	300	1.5	71
	**BO-E**	1,600	1,800	6,180	2,520	4.9	3.5	750	5.0	73
	**BO-R**	1,000	1,464	5,265	2,250	2.8	1.9	100	1.0	72
	**BO-U**	1,600	2,464	7,010	3,000	5.4	3.8	1,700	6	74

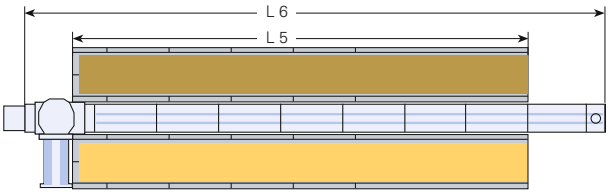
1) depending on material characteristics

Automatic Bale Opener BLENDOMAT BO-A

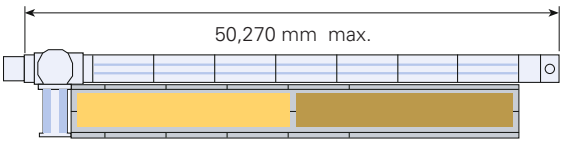
Automatic bale opener	Frame width mm	Height mm	Max. bale height mm	Machine length min. mm	Machine length max. mm	Max. continuous power kW	Average power consumption at max. production kW	Max. continuous production kg/h	Noise level db (A)
BO-A	1,720/2,300	2,900	1,800	10,670	50,270	10,6/10,6[1)]	7,4/8,4[2)]	1,200/2,000	< 70

1) For productions over 1,500 kg/h = 17.6 kW 2) For productions over 1,500 kg/h = 12.3 kW

Length options and max. number of bales for BLENDOMAT BO-A 1720/BO-A 2300



In small rooms it is possible to arrange the working areas in series



BO-A 1720	max. number of bales**	37	69	101	117	133	165	197	229	261	293
	L 5 (mm)	5,810	10,760	15,710	**18,185***	20,660	25,610	30,560	35,510	40,460	45,410
	L 6 (mm)	10,670	15,620	20,570	**23,045***	25,520	30,470	35,420	40,370	45,320	50,270
BO-A 2300	max. number of bales**	50	93	135	157	178	221	264	306	349	392

* = Standard ** = Bale dimensions: L 800 mm × W 600 mm

Equipment

SERIES/OPTION	
	PORTAL BALE OPENER BO-P
●	The standard version of the BO-P has a length of 30,250 mm
○	Using up to 14 extension units of 2,950 mm each, it can be extended up to 74,500 mm
	AUTOMATIC BALE OPENER BLENDOMAT BO-A
●	The standard version of the BLENDOMAT BO-A (2,300) has a length (L 6) of 23,045 mm
○	Using up to 11 extension units of 2,475 mm each, it can be extended up to 50,270 mm
	UNIVERSAL BALE OPENER BO-U
●	Feed table supply
○	Automatic material supply is made possible with a Trunk Feeder BR-FU
○	The feed table can be extended with one to three feed table extensions by 2 m, 4 m or 6 m
○	If an opener is fed directly then it is possible to temporarily bypass the opener via a reversing flap
○	Maintenance platform
	COMPACT BALE OPENER BO-C / WASTE OPENER BO-R / BALE OPENER BO-E
●	Feed table supply
○	The feed table can be extended with one to three feed table extensions by 2.5m, 5 m or 7.5 m

● = Series ○ = Option

Installation protection

Separators

Types		Frame width mm	Total width mm	Total length mm	Total height mm	Max. continuous power kW	Average power consumption kW	Max. continuous production kg/h	Noise level db (A)
	**SP-MF**	1,000	1,664	4,485	4,140	1.4 [1)]	1.0	2,000	76
	**SP-H**	600	635	1,750	3,250	–	–	600	< 70
	**SP-HU**	1,000	1,664	2,025	4,140	9 [2)]	7.2 [2)]	2,000	< 76
	**SP-IH** [4)]	[5)]	[5)]	[5)]	[5)]	[3)]	–	2,000	< 70
	**SP-EM**	1,000	1,664	2,460	3,390	1.4	1.0	2,000	< 70

1) Without fans
2) With fans
3) Without condenser
4) Combined with a condenser or a manual bale opener
5) Depending on upstream machine


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Cleaners and openers

Cleaners

CLEANOMAT cleaners		Frame width mm	Total width mm	Total length mm	Total height mm	Max. continuous power kW	Average power consumption kW	Max. continuous production kg/h	Noise level db (A)
	**CL-X***	1,300	1,950	1,700	4,495	12.2/21.2	tbd	1,600	< 70
	**CL-C3**	1,600	2,264	2,455	1,250	17.0	6.0	1,000	< 70
	**BR-COI/ FD-R/* CL-R**	1,600	2,264	3,265	4,230	27.4	16.4	200**	72
	**CL-U*** **	1,600	2,200	1,480	3,900	5.9	3.0	1,200	< 70

* Maintenance platforms are optionally available
** Input 300 kg/h
*** In stainless steel finish available

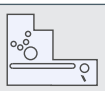
Openers

Opener TUFTOMAT		Frame width mm	Total width mm	Total length mm	Total height mm	Max. continuous power kW	Average power consumption kW	Max. continuous production kg/h	Noise level db (A)
	**TO-T1**	1,600	2,264	2,165	1,250	6.1	4.3	1,000	< 70
	**TO-U**	1,600	2,064	1,100	1,250	5.9	4.1	1,800	< 70
	**TO-C**	1,000	1,464	860	1,250	2.4	1.7	250	< 70

Feeders

Types		Max. continuous power kW	Average power consumption kW	Noise level db (A)
	**FD-R**	1.3	0.9	72
	**FD-O**	2.4	1.2	73
	**BR-COI**	6.6 – 8.6	5.3 – 6.9	77
	**BR-MS**	0.12	0.1	73
	**FD-T**	–	–	–

Machine combinations

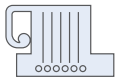
Types		CL-C3 Total length mm	TO-T1 Total length mm
	**With FD-O***	4,320	4,030
	**With FD-T***	3,115	2,825

* Maintenance platforms are optionally available



Mixers

Mixers*

Types		Number of trunks	Trunk width mm	Trunk depth mm	Width [1] mm	Length [1] mm	Machine height mm	Max. continuous power kW	Average power consumption kW	max. continuous production kg/h	max. filling weight [2] kg	Noise level db (A)
	**MX-U6**	6	1,600	500	2,264	5,500	4,040	5.6	3.9	depends on the down-stream machines	500	< 70
	MX-U10	10	1,600	500	2,264	7,500	4,040	7.6	5.3		875	< 70
	**MX-I6**	6	1,600	500	2,264	6,000	4,160	6.0	4.2		400	< 70
	MX-I10	10	1,600	500	2,264	8,000	4,160	8.6	6.0		700	< 70

1) Without maintenance platform, without fan
2) Depends on degree of opening and material type
* Maintenance platforms are optionally available

Dosing Opener*

Types		Working width mm	Width mm	Length mm	Height [1] mm	Max. continuous power kW	Average power consumption kW	max. continuous production kg/h	Noise level db (A)
	**FD-S**	1,200	1,664	1,100	2,980–3,980	5.8	2.9	1,300	< 70
		1,600	2,064	1,100	2,980–3,980	5.8	4.0	1,800	< 70

1) With condenser BR-COI 1,000 mm higher
* Maintenance platforms are optionally available



Foreign part separator

Separators

TYPES	Frame width mm	Total width mm	Total length mm	Total height mm	Max. continuous power kW	Average power consumption kW	Max. continuous production kg/h	Noise level db (A)
 **SP-MF**	1,000	1,664	4,485	4,140	1.4[1)]	1.0	2,000	76
 **SP-H**	600	635	1,750	3,250	–	–	600	< 70
 **SP-EM**	1,000	1,664	2,460	3,390	1.4	1.0	2,000	< 70
 **SP-DX**	1,600	1,864	2,150	3,110	0.5[1)]	0.4[1)]	1,200	< 70
 **TS-T5**	1,200	1,864	2,618	4,450	2,9[2)]	2,5[2)]	1,200	79
 **TS-T3**	1,200	1,864	2,618	4,450	2,8[2)]	2,4[2)]	1,200	79

1) Without fans
2) Including waste fan

 **TS-T5**	Compressed air requirement per F module ejection (at 7 bar)	Nl	0,3
	Compressed air requirement per P module ejection (at 7 bar)	Nl	1,4
 **TS-T3**	Example of compressed air consumption from practice - for F/G module 7,200 ejections/h - for P/UV module 1,000 ejections/h	Nl/h	3,800

The compressed air consumption in standard litres refers to the reference conditions according to DIN1343.


TS-T5 TRÜTZSCHLER

Tuft blending installations

Tuft blending

Tuft blending installations		Frame width mm	Total width mm	Total length mm	Total height [1] mm	Max. continuous power kW	Average power consumption kW	Production up to approx. kg/h	Noise level db (A)
	**BL-BO**	1,600	2,464	7,010	3,000	5.2	2.6	1,000	74
	**BL-HF**	1,600	2,064	1,900	4,500 5,000	5.8	2.9	800	< 70
	**BL-PF**	1,600	2,064	1,900	4,500 5,000	5.9	3.0	200	< 70
	**BL-WP**	1,600	2,000	1,320	1,900	–	–	1,000	< 70
	**BL-TO**	1,200	1,664	2,275	1,000	6.4	4.4	2,000	< 70
	**BL-TC**	1,200	1,664	7,750 [2]	1000	0.3 [3]	0.15 [3]	2,000	< 70
	**BO-R**	1,000	1,464	5,265	2,250	2.8	1.9	100	72

1) Without trunk feeding
2) With 3,500 mm centre distance and 2 feedings. For every additional feeding (up to 6), 3,500 mm additional length
3) With 2 feedings. For every additional feeding (up to 6) +0.14 kW installed power, +0.09 kW consumed power

SERIES/OPTION	BALE OPENER BL-BO
○	Automatic material supply is made possible with a Feeding Unit BR-FU.
○	The feed table can be extended with one to three Feed Table Extensions BR-TE by 2 m, 4 m or 6 m.
○	Maintenance platform.

● = Series ○ = Option


BL-PF TRÜTZSCHLER

Control systems

Special controls for a wide range of applications

Truetzschler offers a series of controls and special components in the control field for planning customised installations in this area as well:

INSTALLATION CONTROLS

LC-I	LINECONTROL	Control for every Truetzschler installation
LC-CU	Conversion of control	Conversion of existing controls
LC-BC	BLENDCONTROL	For tuft blending installations as integrated feature in LC-I

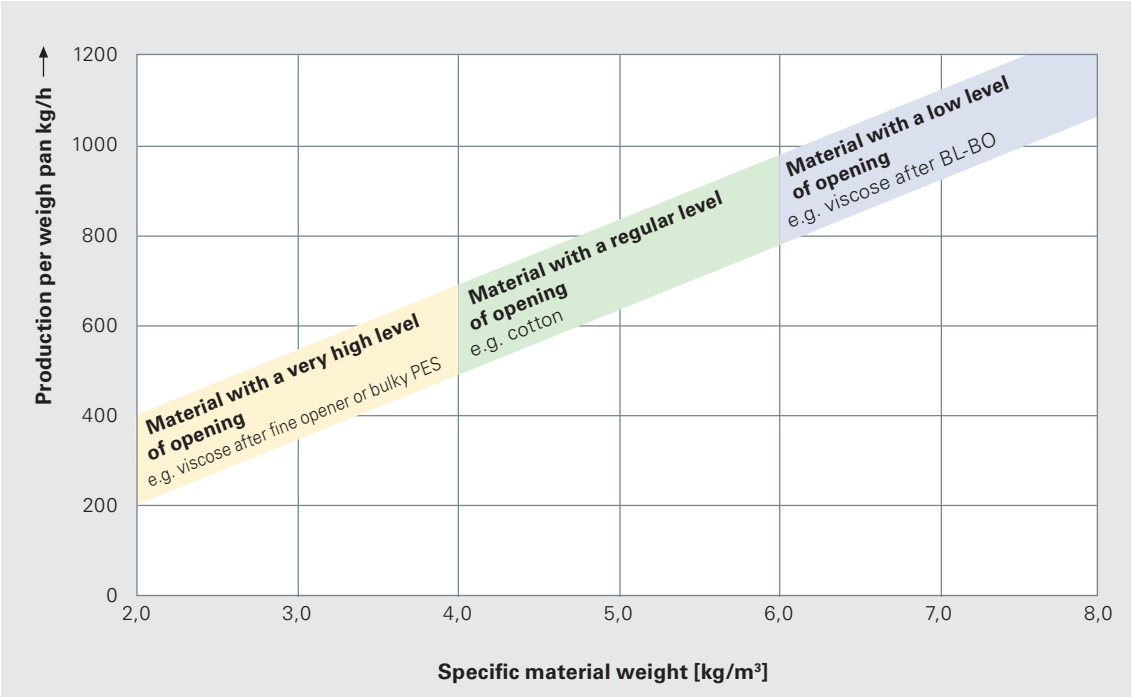
SUBDISTRIBUTIONS

LC-DC	Subdistribution for cards
LC-DD	Subdistribution for draw frames
LC-DCO	Subdistribution for combers

MACHINE-SPECIFIC

LC-CF2	Conversion to CONTIFEED 2	Continuous material flow control for existing Truetzschler machines
LC-IK	Connection set	Connection and installation set for the cards for installation in Nep Sensor TC-NCT

Data for T-BLEND power calculation



Production depends to a large extent on the degree of opening of the material.


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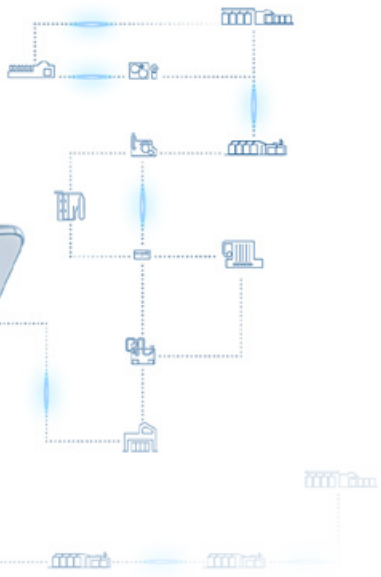
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TRÜTZSCHLER
SPINNING

Fiber preparation installations: Bale openers · Mixers · Cleaners/
Openers · Foreign part separators · Dust separators · Tuft blenders
Waste cleaners | Cards | Draw frames | Combing machines | Digital
Solutions: My Mill · My Production App · My Wires App

TRÜTZSCHLER
NONWOVENS

Bale openers/Mixers | Card feeders | Cards/Crosslappers
Wet laying lines | Hydroentangling, needling, thermo- and chemical
bonding lines | Finishing, drying, winding, slitting machinery

TRÜTZSCHLER
MAN-MADE FIBERS

Filament lines: Carpet yarns (BCF) · Industrial yarns

TRÜTZSCHLER
CARD CLOTHING

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Rotor spinning | Flat tops | Fillets | Carding segments
Service machines | My Wires App | Service 24/7

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