

**Spare
and
Wearing Parts List
of the
topcut-bullmer Cutter
PROCUT Digital
5xxx / 8xxx**



topcut-bullmer GmbH
Heutal 7
D-72537 Mehrstetten
Tel.: +49 7381 1830
Fax: +49 7381 723
e-mail: info@topcut-bullmer.com
<http://www.topcut-bullmer.com>

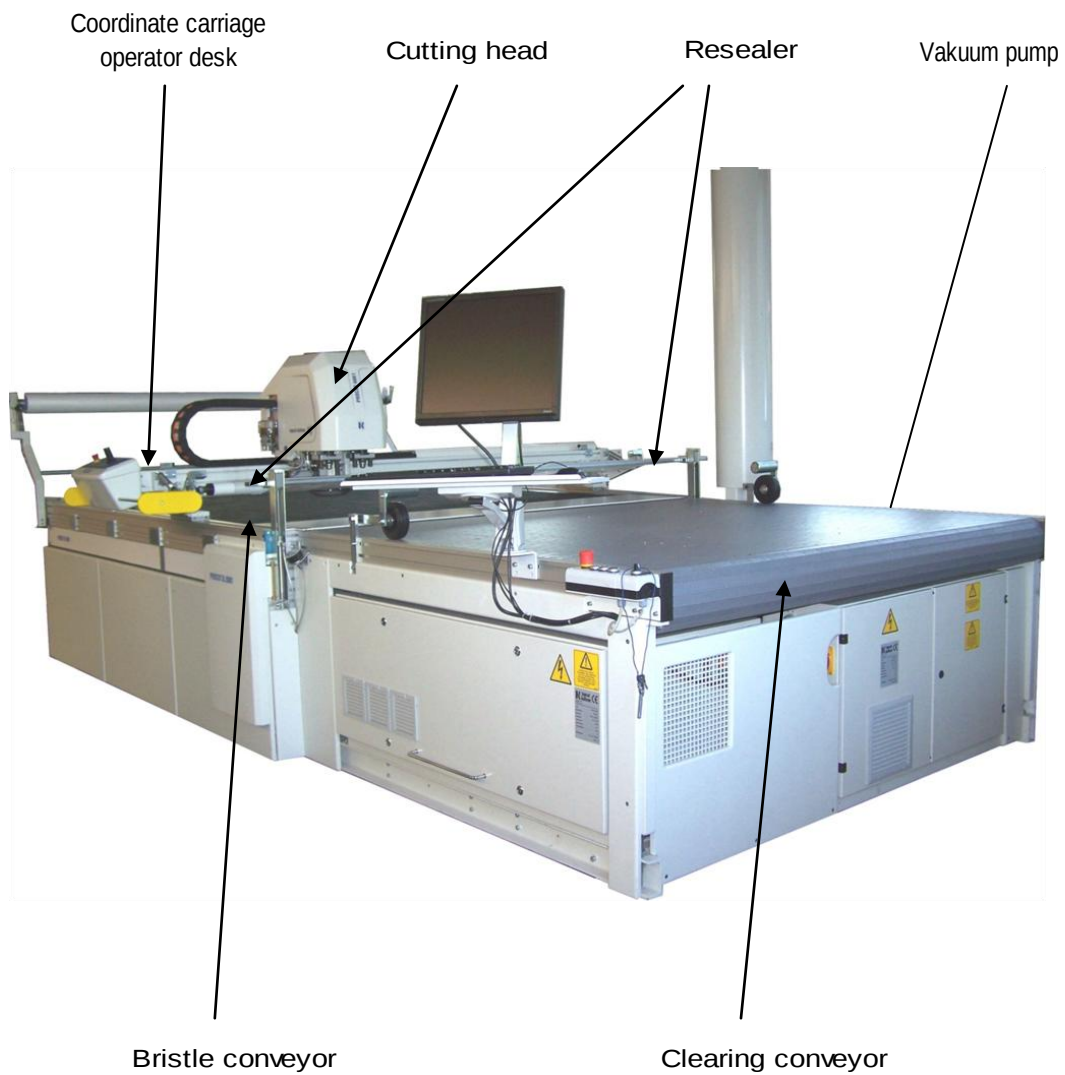
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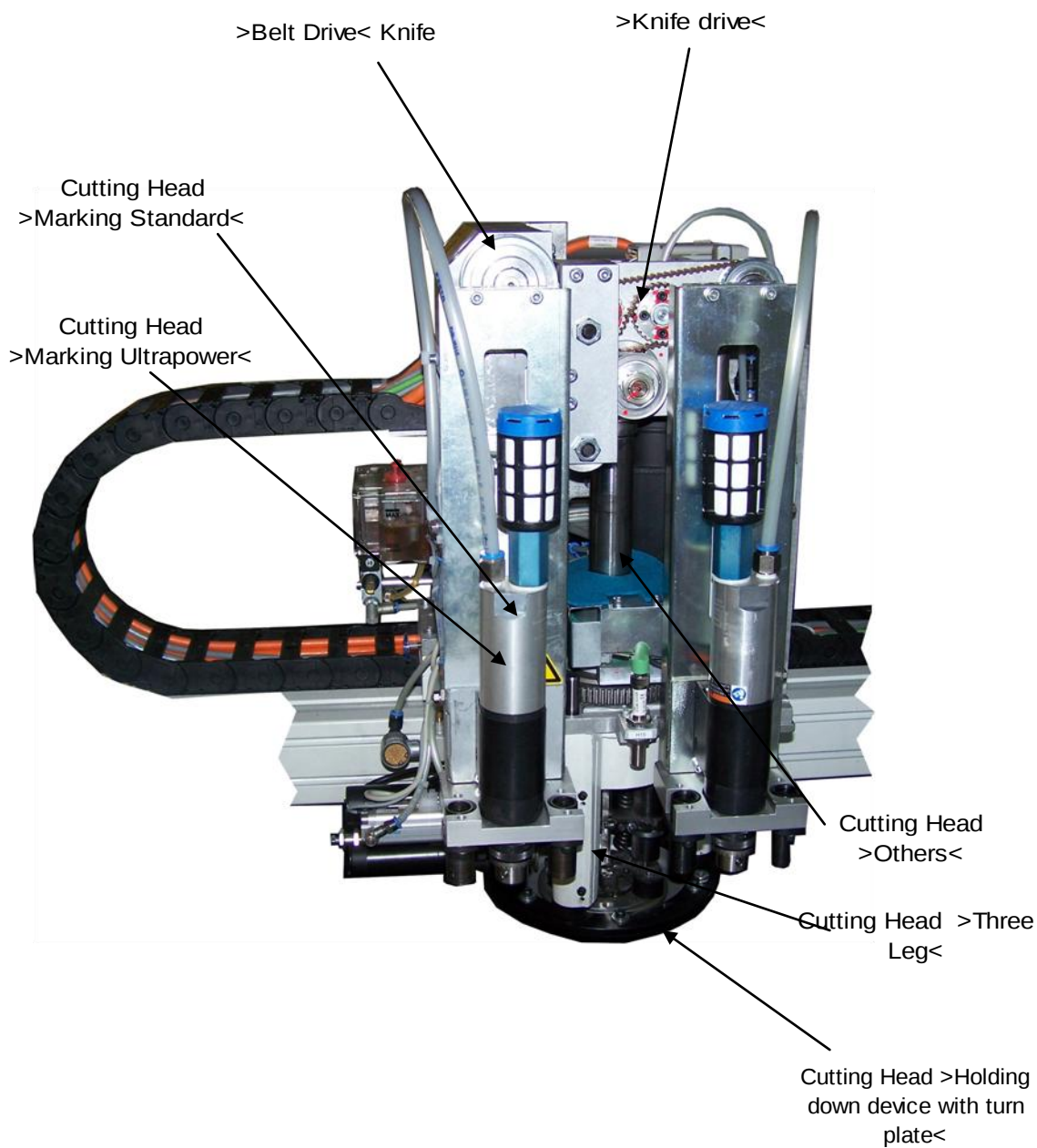
Notes:

General Overview

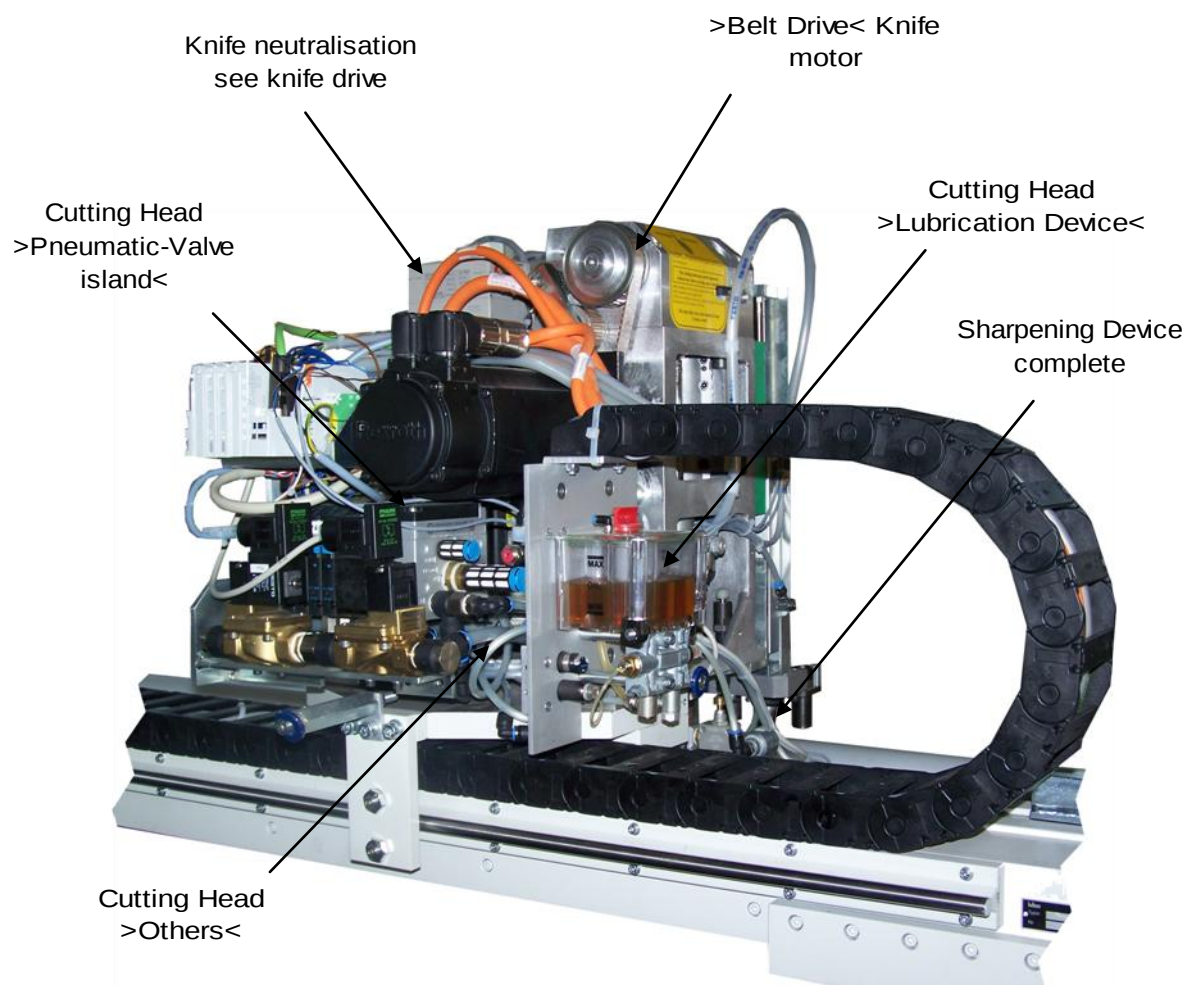


Cutting head

View front

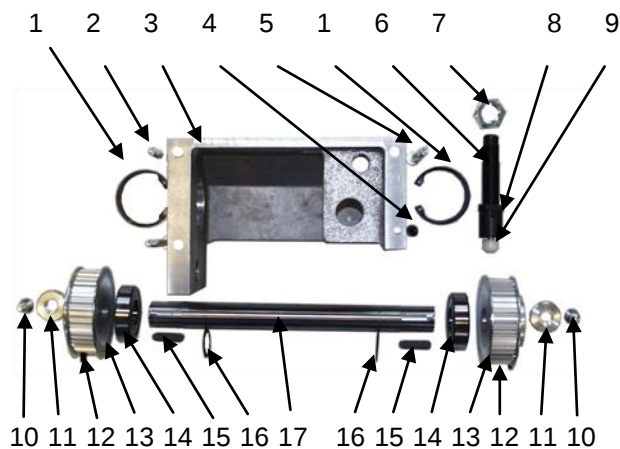


View rear

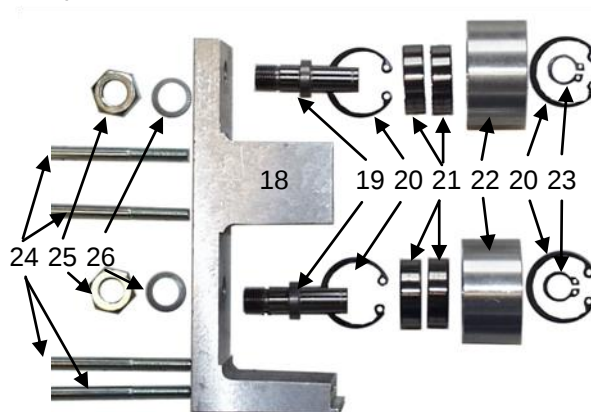


>Belt Drive< Knife

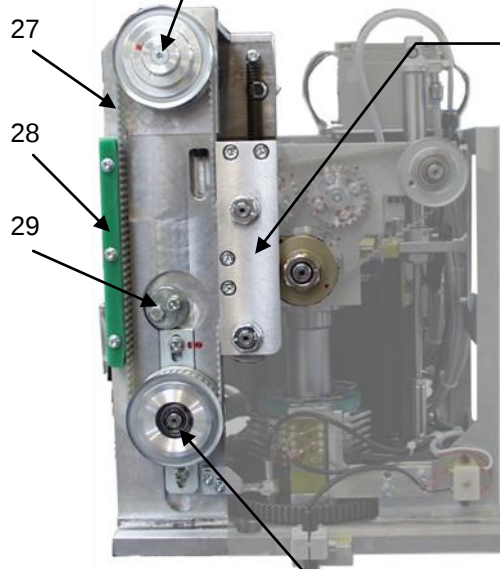
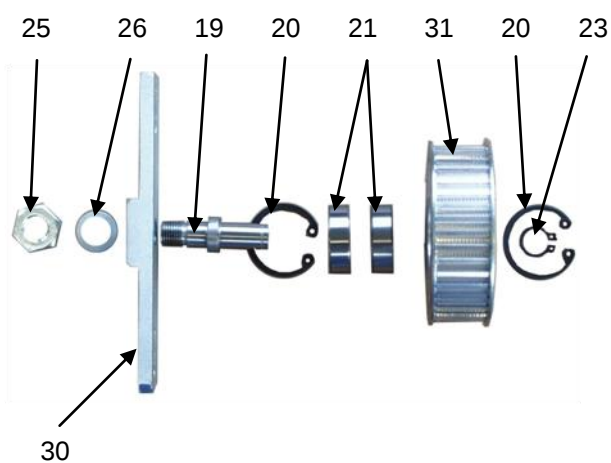
Drive Unit compl. Item: 114271



Return pulley compl. Item: 115411



Tensioner pulley Item: 115410

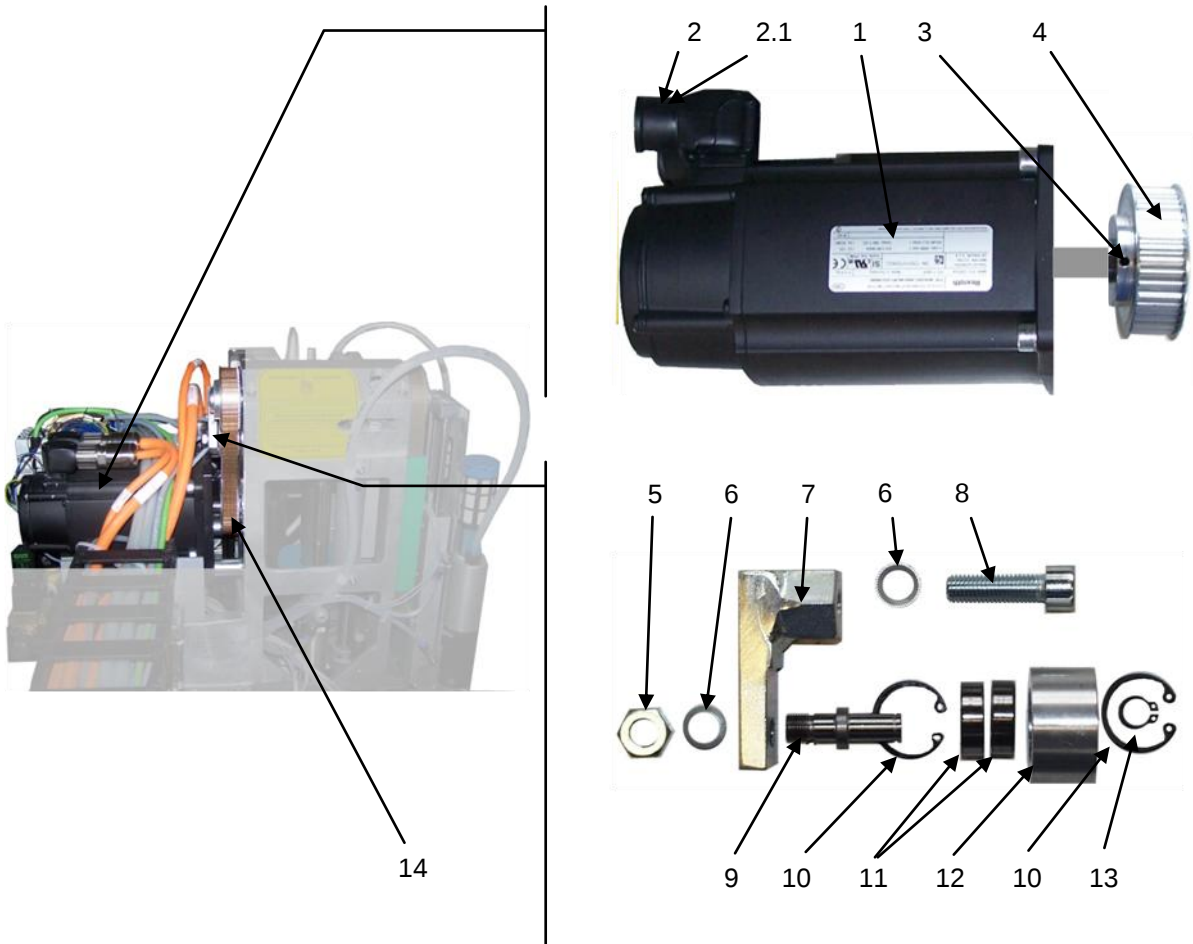


Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

>Belt Drive< Knife

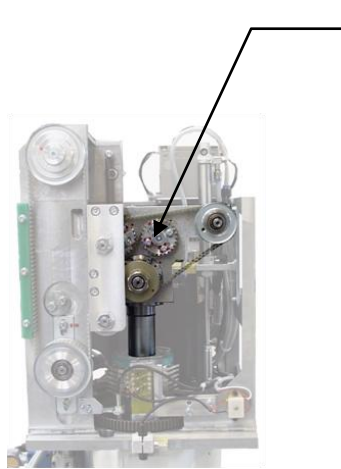
Pos.:	Item.:	Description:	Quantity:
27	053759	Tooth belt 16 T5 x 815	1
28	100237	Strip	1
29	100150	Eccentric disc	1
24	052191	Cylinder screw DIN 912 M5x60 8.8	4
	114271	Drive assembly belt drive kpl. cons. of:	1
1	007481	Safetyring DIN 472 42x1,75	2
2	053334	Cylinder screw DIN 912 M6x75 8.8	3
3	102294	Bearing	1
4	006960	Cylinder screw DIN 912 M5x25 8.8	1
5	053334	Cylinder screw DIN 912 M6x75 8.8	1
6	052542	Shock absorber MC 150 MH	1
7	052543	Hexagon nut DIN 439 M14x1,5	1
8	052198	Stopping bush AH-150 M14x1,5	1
9	052199	Nylon-knob PP150	1
10	005976	Flat head screw DIN 7991 M6x16 10.9	2
11	102133	Disc	2
12	012106	Set screw DIN 913 M5x8	2
13	100141	Tooth belt wheel Z=40 T=5	2
14	005389	Grooved ball bearing 6004 ZZ	2
15	005956	Feather key DIN 6885 6x6x25	2
16	005723	Safetyring DIN 471-A 20x1,2	2
17	100142	Shaft	1
	115411	Return pulley kpl. cons. of:	1
18	100144	Bearing	1
19	100145	Bolt	2
20	052537	Safetyring DIN 472 26x1,2	4
21	005385	Grooved ball bearing 6000 ZZ	4
22	100146	Roller	2
23	005718	Safetyring DIN 471-A 10x1,0	2
25	005894	Hexagon nut DIN 934-8 M10	2
26	052116	Safety disc S d10,0	2
	115410	Belt tensioner kpl. cons. of:	1
19	100145	Bolt	1
20	052537	Safetyring DIN 472 26x1,2	2
21	005385	Grooved ball bearing 6000 ZZ	2
31	100149	Tooth belt wheel	1
23	005718	Safetyring DIN 471-A 10x1,0	1
25	005894	Hexagon nut DIN 934-8 M10	1
26	052116	Safety disc S d10,0	1
30	100148	Strip	1
	052542K	Shock absorber kompl. MC 150 MH cons. of:	1
6	052542	Shock absorber MC 150 MH	1
7	052543	Hexagon nut DIN 439 M14x1,5	1
8	052198	Stopping bush AH-150 M14x1,5	1
9	052199	Nylon-knob PP150	1

>Belt Drive< Knife motor



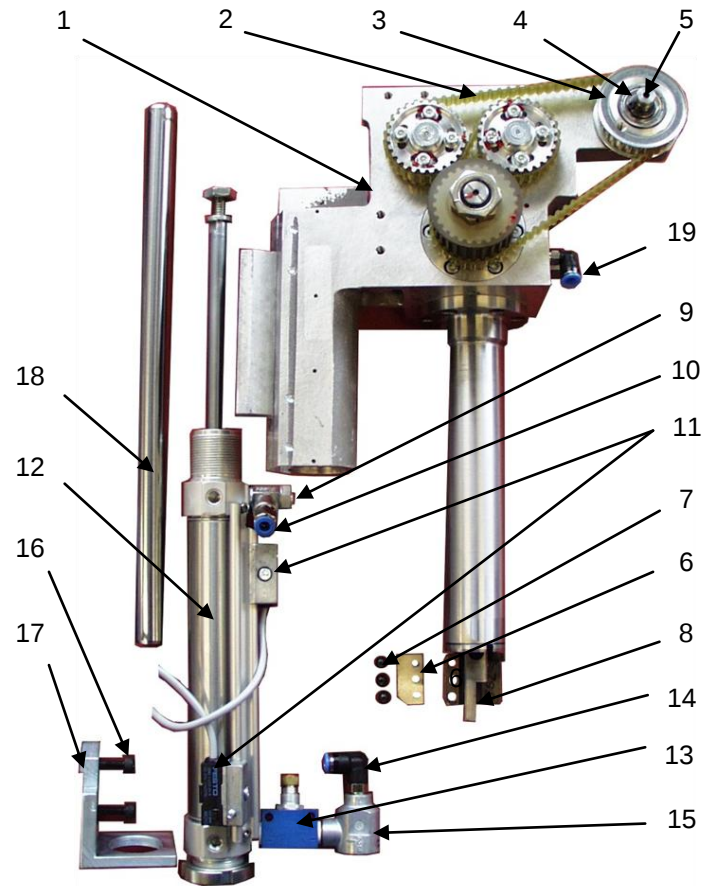
Pos.:	Item.:	Description:	Quantity:
1	066765	Servomotor MSK050C-0600-NN-S1-UG0-NNNN	1
2	068083	Connector kit RGS 1001/C1	1
2.1	068082	Connector kit RLS 1101/C02	1
3	012106	Set screw DIN 913 M5x8	1
4	117759	Toothed belt wheel	1
14	012424	Tooth belt 16 T5 x 500	1
	115409	Belt tensioner kpl. cons. of:	1
5	050487	Hexagon nut DIN 439 M10x1	1
6	052192	Safety disc S10,5	1
7	100147	Belt tensioner	1
8	007085	Cylinder screw DIN 912 10x35 8.8	1
9	100145	Bolt	1
10	052537	Safetyring DIN 472 26x1,2	2
11	005385	Grooved ball bearing 6000 2Z	2
12	100146	Roller	1
13	005718	Safetyring DIN 471-A 10x1,0	1

>Knife drive<

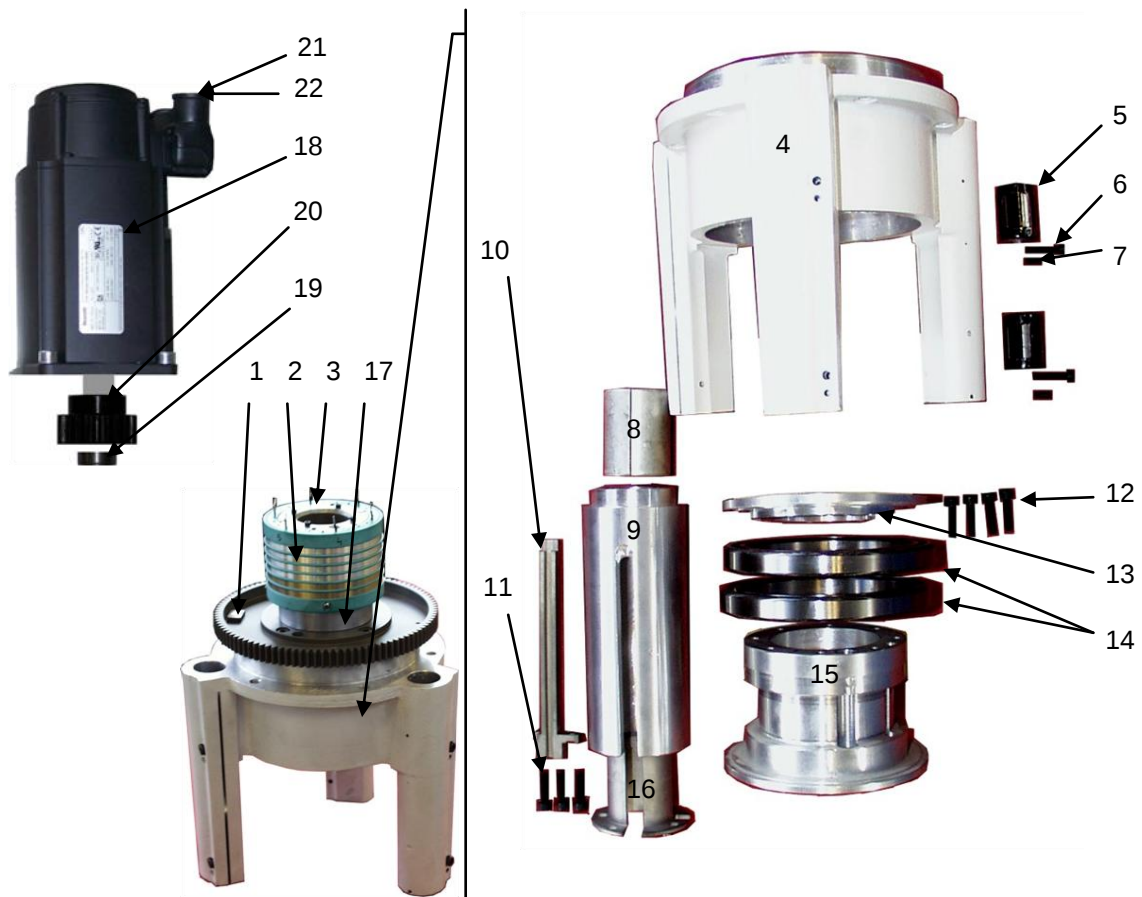


CAUTION !!!!

When changing the belt please note, that the three red dots of the tooth wheels agree with the red markings on the housing.



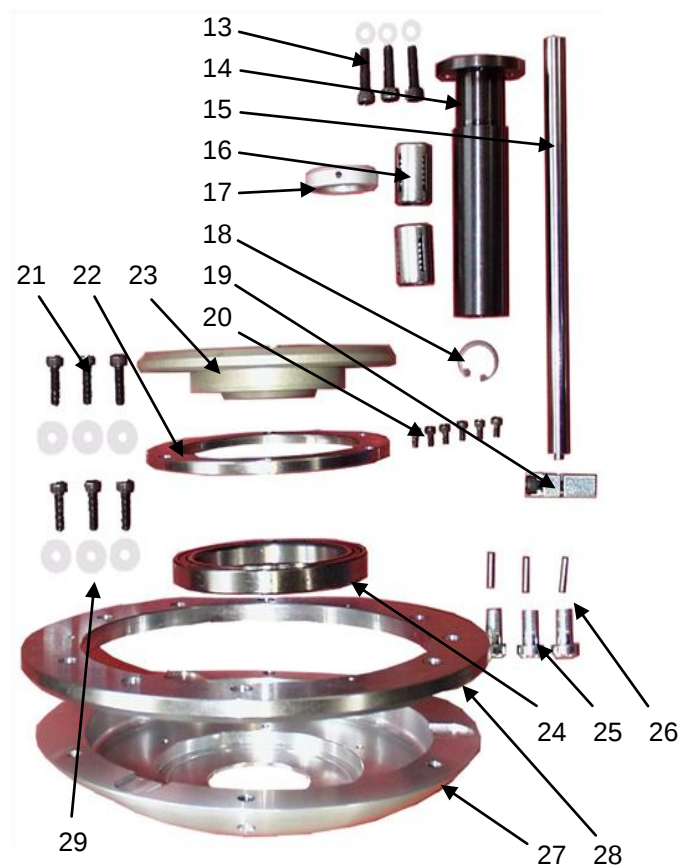
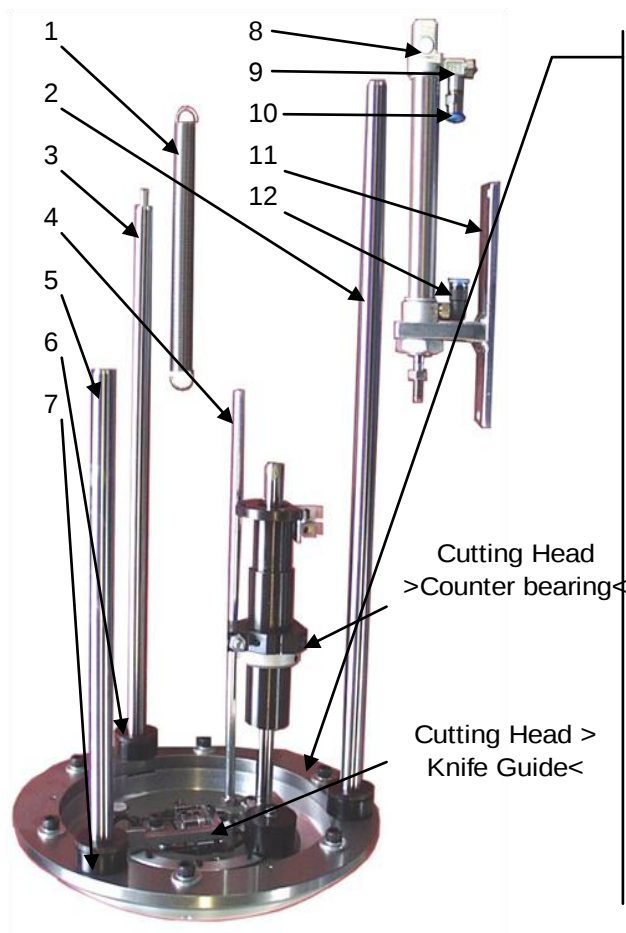
Pos.:	Item.:	Description:	Quantity:
1	105901	Knife drive compl. PROCUT 7500; from '00 Standard	1
2	065748	Tooth belt 10 DT5 x 590	1
3	100084	Tooth belt wheel z=27 , T=5	1
4	053414	Grooved ball bearing 6002-ZR	2
5	100085	Eccentric	1
6	105881	Guide plate (Catch Polygon)	1
7	058093	Hexagon socket screw DIN 6912 M4x8 10.9	3
8	058085	Cylinder screw DIN 912 M4x8 12.9	2
9	050182	Pneumatic back valve GRLA-1/8-B	1
10	054782	Pneumatic plug screw QS-1/8-6	1
11	051910	PN-End switch SME-1-LED-24-B	2
11	063113	PN-End switch SME-8M-DS-24V-K2,5-OE	2
11	064424	SMBR-8-32	2
12	060329	PN-Cylinder DSW-32-100-P-A-B	1
12	060431	PN-Cylinder DSW-32-115-P-A	1
13	006540	Throttle back valve GR-1/8-B	1
14	054801	Pneumatic L-plug screw QSL-1/8-6	1
15	051085	Pneumatic fast bleeder valve SEU-1/8	1
16	006960	Cylinder screw DIN 912 M5x25 8.8	2
17	105930	Holder	1
18	102289	STAR-shaft ø20 h6x323	1
19	054811	Pneumatic L-plug screw QSML-M5-6	1

Cutting Head >Three Leg<

Pos.:	Item.:	Description:	Quantity:
1	100130	Spur gear Z=100 , m=1,5	1
2	066999	Two-way modul gold-coated	1
2	067000	Two-way brush blocks gold nib wire	1
3	100251	Cover	1
4	100126	Housing	1
5	052542	Shock absorber MC 150 MH	6
6	050448	Hexagon socket screw M4x 20 DIN 912	6
7	052223	Set screw DIN 913 M4x10	6
8	052213	DU-bush MB 3550 DU	1
9	105882	Hub	1
10	105883	Guide	1
11	050890	Cylinder screw DIN 912 M5x20 8.8	3
12	058242	Cylinder screw DIN 912 M5x16 8.8	4
13	100127	Cover	1
14	052508	Grooved ball bearing 61818	2
15	106158	Hub	1
16	100134	Bush ø63x53	1
17	100398	Distance ring	1
18	066617	Servomotor MSK040C-0600-NN-M1-UG0-NNNN	1
19	060845	Clamping set series 14x18	1
20	117164	Gear c-axle	1
21	068083	Connector kit RGS 1001/C1	1
22	068082	Connector kit RLS 1101/C02	1

Cutting Head >Holding down device with turn plate<

Turn plate compl. Item.No.: 115480



Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

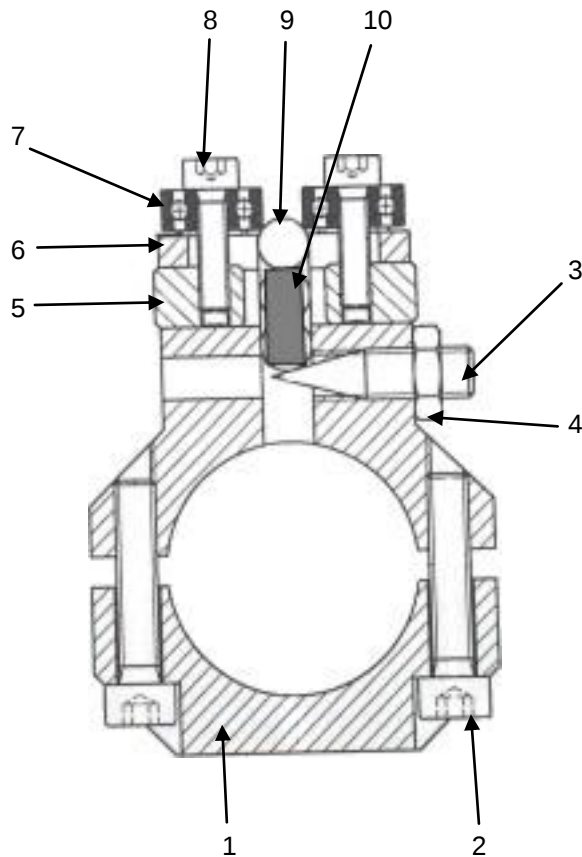
Cutting Head >Holding down device with turn plate<

Pos.:	Item.:	Description:	Quantity:
1	052210	Tension spring Z-106J 12,7x1,25x146	1
2	105954	Plate guide	1
3	102660	Plate guide	1
4	106155	Cable guide	1
5	102661	Plate guide	1
6	102311	Disc	3
7	105894	Distance(ProCut 7500)	3
7	105897	Distance (ProCut 5000)	3
7	102311	Disc	3
8	052441	PN-Cylinder DSN-16-80-PPV	1
9	052525	Throttle back valve GRLA-M5-B	1
10	054790	Pneumatic plug screw QSM-M5-6	1
11	100194	Holder	1
12	054811	Pneumatic L-plug screw QSML-M5-6	1
13	058086	Cylinder screw DIN 912 M5x20 12.9	3
14	105895	Catch guide	1
15	105990	Catch	1
16	054460	Linear ball bearing LBBR 10-2LS	2
17	105001	Distance ring	1
18	005734	Safetyring DIN 472 17x1	1
19	102308	Turn plate catch	1
20	051939	Cylinder screw DIN 912 M3x6 12.9	6
21	005810	Cylinder screw DIN 912 M5x18 12.9	6
22-24	115480	Turn plate compl.	1
22	102309	Holding down device ring	1
23	104621	Turn plate (f. Counter bearing Item:103506)	1
23	106159	Turn plate (f. CB Item:106665 a. 114555)	1
24	052206	Grooved ball bearing 61814-2RS	1
25	050910	Cylinder screw DIN 6912 M8x16 8.8	3
26	054222	Dowel pin 3m 6x16 DIN 6325	3
27	102305	Holding down device	1
28	102300	Disc	1
o.A.	053945	Conical plug GPN 500 Nr.5	1
29	052237	Disc ø5,3 DIN 433	6
o.A.	110206	Conversion kit f. 2mm knife	1

Cutting Head >Counter bearing<

compl. Item:110205 f. Knife 6x2,0mm

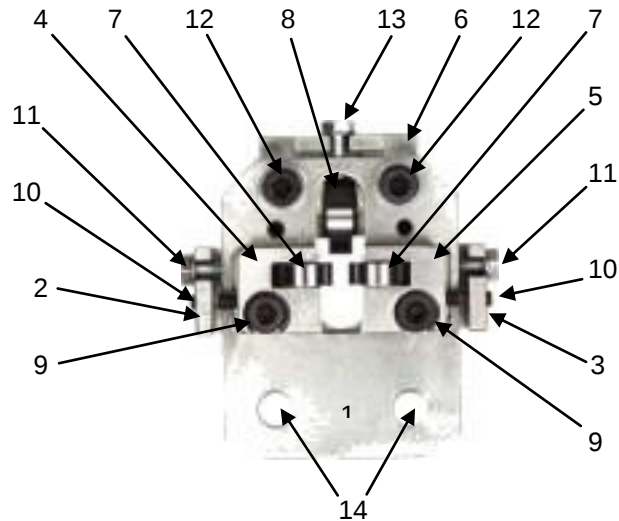
compl. Item:106200 f. Knife 8x2,5mm



Pos.:	Item.:	Description:	Quantity:
1	105933	Counter Bearing (f. Item:106200)	1
1	107089	Counter Bearing (f. Item:110205)	1
2	011477	Cylinder screw DIN 6912 M4x20 8.8	2
3	105931	Set screw	1
4	051745	Hexagon nut DIN 439 M5	1
5	105932	Clamping piece	1
6	005683	Disc DIN 125-A d3,2	2
7	052138	Grooved ball bearing 623 ZZ	2
8	051290	Cylinder screw DIN 912 M3x12 8.8	2
9	060458	Steel ball RB-5 RS	1
10	107104	Pin	1

Cutting Head > Knife Guide<

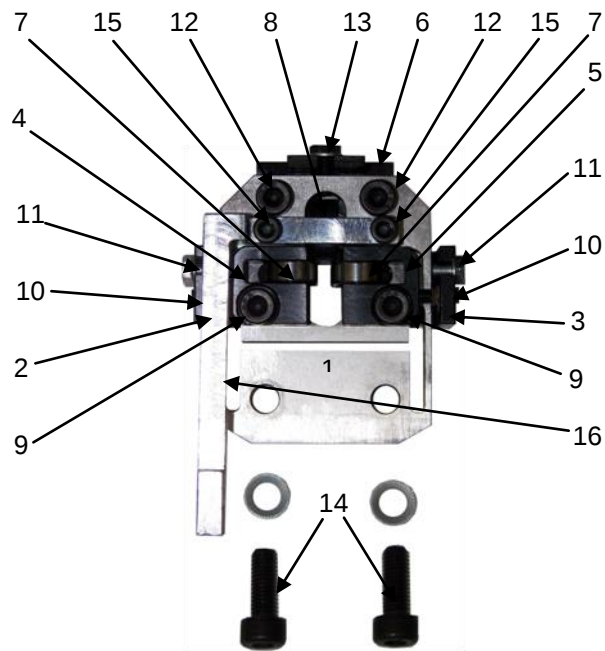
Item.-No.: 103506



Pos.:	Item.:	Description:	Quantity:
1	104085	Carrier plate	1
2	102649	Roll holder lower left	1
3	102650	Roll holder lower right	1
4	102651	Roll holder upper left	1
5	102652	Roll holder upper right	1
6	102653	Roll holder rear	1
7	052138	Grooved ball bearing 623 ZZ	4
zu 7	054648	Pin DIN 6325 M6-3x14	4
8	007424	Grooved ball bearing 624 ZZ	1
zu 8	054641	Pin DIN 6325 M6-4x14	1
9	054854	Cylinder screw DIN 912 M4x14 8.8	2
10	053412	Set screw DIN 913 M3x8	2
11	054855	Hexagon screw DIN 933 M3x10 8.8	2
12	054854	Cylinder screw DIN 912 M4x14 8.8	2
13	058454	Hexagon screw DIN 933 M3x8 8.8	1
14	054853	Cylinder screw DIN 912 M5x14 8.8	2

Cutting Head >Knife Guide< (Spring bridge)

Item.-No.: 106665

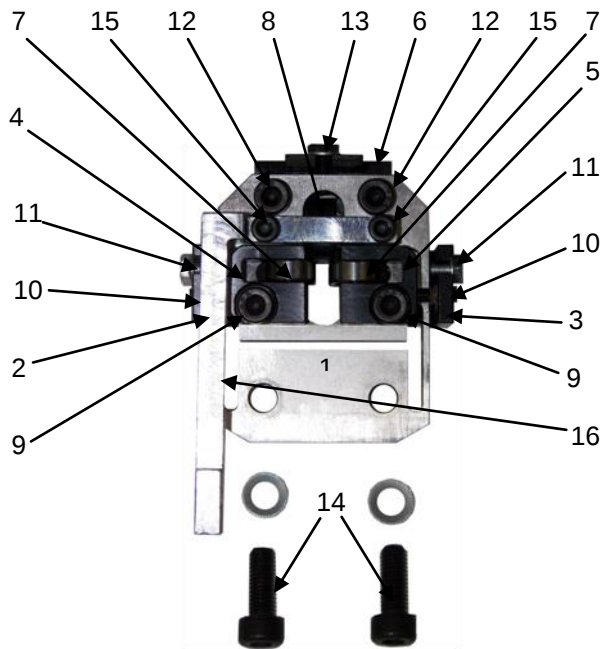


Pos.:	Item.:	Description:	Quantity:
1	102646	Carrier plate	1
2	102649	Roll holder lower left	1
3	102650	Roll holder lower right	1
4	102651	Roll holder upper left	1
5	102652	Roll holder upper right	1
6	102653	Roll holder rear	1
7	052138	Grooved ball bearing 623 ZZ	4
zu 7	054648	Pin DIN 6325 M6-3x14	4
8	007424	Grooved ball bearing 624 ZZ	1
zu 8	054641	Pin DIN 6325 M6-4x14	1
9	054854	Cylinder screw DIN 912 M4x14 8.8	2
10	053412	Set screw DIN 913 M3x8	2
11	054855	Hexagon screw DIN 933 M3x10 8.8	2
12	054854	Cylinder screw DIN 912 M4x14 8.8	2
13	058454	Hexagon screw DIN 933 M3x8 8.8	1
14	054853	Cylinder screw DIN 912 M5x14 8.8	2
14	052114	Safety disc S d5,0	2
15	052409	Cylinder screw DIN 912 M3x10 12.9	2
16	108201	Gear flag 2 from 09/02	1
o.A.	054646	Sensor knife neutralisation AH 110	1
o.A.	054016	Ampl. AS-440-02	1
o.A.	058214	Spiral cable for sensor	1
o.A.	062638	Ampl. EX-202 / Sensor EX-110	1
o.A.	063373	Sensor knife neutralisation EX 110	1
o.A.	063374	Ampl. EX 202 (without Sensor EX 110)	1
o.A.	108202	Sensorholder	1

Cutting Head >Knife Guide< (Spring bridge)

Item.-No.: 114555

Knife Guide enhanced



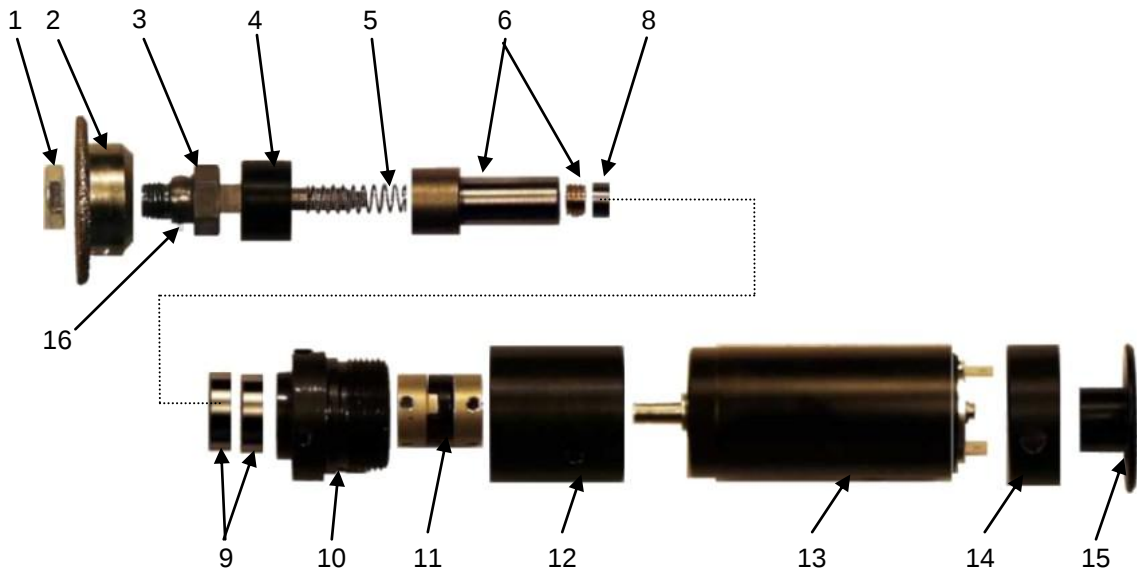
Pos.:	Item.:	Description:	Quantity:
1	102646	Carrier plate	1
2	112266	Roll holder lower left	1
3	112264	Roll holder lower right	1
4	112265	Roll holder upper left	1
5	112263	Roll holder upper right	1
6	112262	Roll holder rear upper	1
6	112261	Roll holder rear lower	1
7	066380	Grooved ball bearing 623 2Z SRL	6
zu 7	054648	Pin DIN 6325 M6-3x14	6
8	007424	Grooved ball bearing 624 ZZ	2
zu 8	054641	Pin DIN 6325 M6-4x14	2
9	011380	Cylinder screw DIN 912 M4x25 8.8	2
10	053412	Set screw DIN 913 M3x8	2
11	054855	Hexagon screw DIN 933 M3x10 8.8	2
12	011380	Cylinder screw DIN 912 M4x25 8.8	2
13	058454	Hexagon screw DIN 933 M3x8 8.8	1
14	058453	Cylinder screw DIN 912 M5x14	2
14	052114	Safety disc S d5,0	2
15	053412	Set screw DIN 913 M3x8	2
16	112267	Gear flag	1
o.A.	054646	Sensor knife neutralisation AH 110	1
o.A.	054016	Ampl. AS-440-02	1
o.A.	058214	Spiral cable for sensor	1
o.A.	062638	Ampl. EX-202 / Sensor EX-110	1
o.A.	063373	Sensor knife neutralisation EX 110	1
o.A.	063374	Ampl. EX 202 (without Sensor EX 110)	1
o.A.	108202	Sensorholder	1

Sharpening Device complete ProCut 5xxx

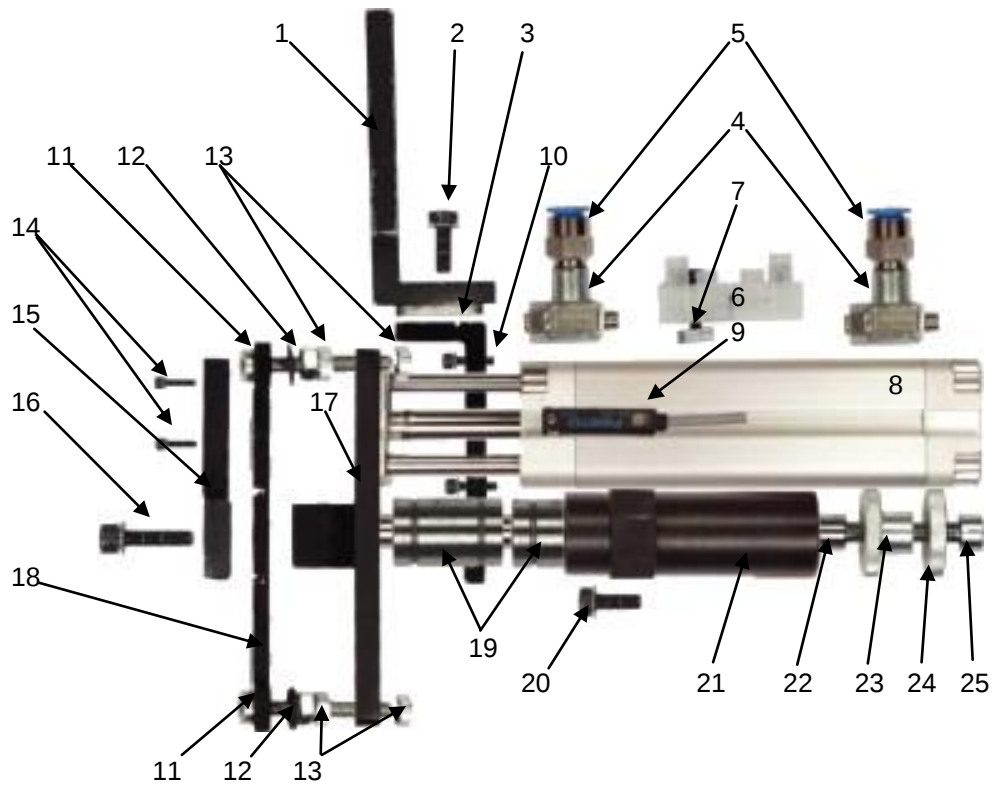
Item.-No.: 105953

Sharpening Device complete ProCut 8xxx

Item.-No.: 105921

Sharpening Disc Drive ID: 106706

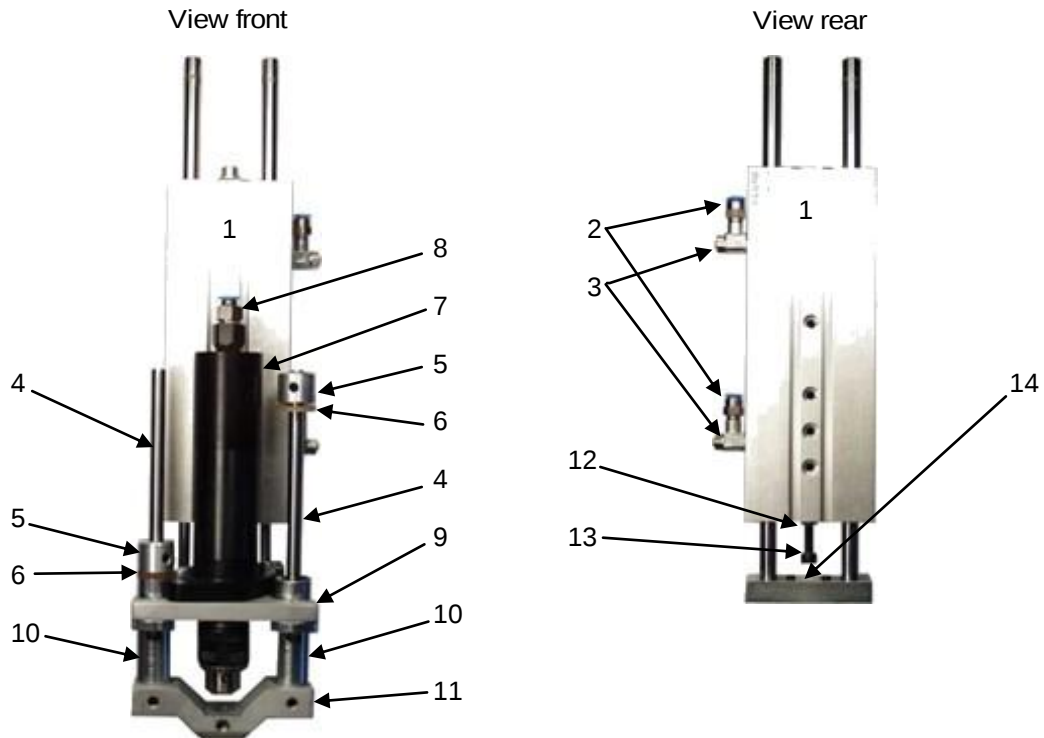
Pos.:	Item.:	Description:	Quantity:
1	011277	Hexagon nut DIN 439 M8x1	1
2	105821	Cup sharpening disc (Diamond)	1
2	060588	Cup sharpening disc (Borax)	1
3	105950	Shaft	1
4	106205	Dust protector	1
5	106036	Pressure spring	1
6	108214	Bush	1
8	060639	Slotted round nut M4 DIN 546	1
9	060570	Ball bearing 10x22x6	1
10	105946	Bearing housing	1
11	105948	Coupling	1
12	105947	Coupling housing	1
13	054509	DC-Motor 90W	1
14	105995	Ring	1
15	105996	Cover	1
16	058598	Pin DIN 6325 M6-2x10	1
o.A.	060754	Cleaning spray for sharpening discs	1

Sharpening Motor Holder

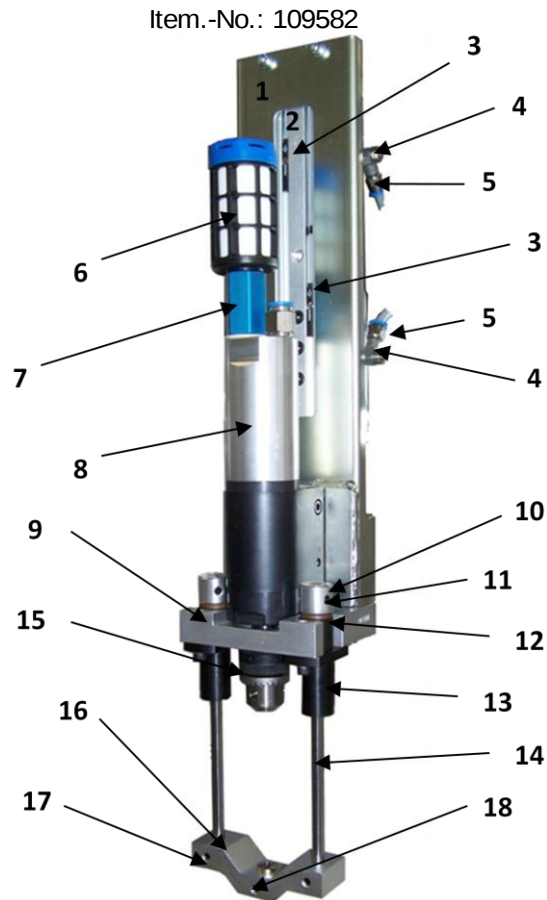
Pos.:	Item.:	Description:	Quantity:
1	105938	Clip angle (ProCut 7500)	1
1	105988	Clip angle (ProCut 5000)	1
2	005808	Cylinder screw DIN 912 M5x12 8.8	2
3	105940	Angle	1
4	052525	Throttle back valve GRLA-M5-B	2
5	054790	Pneumatic plug screw QSM-M5-6	2
6	052945	Lustre terminal + Item:58213	1
7	109137	Sliding block	1
8	060275	PN-Cylinder ADVUL-16-65-P-A	1
9	063113	PN-End switch SME-8M-DS-24V-K2,5-OE	1
10	050459	Cylinder screw DIN 6912 M4x16	2
11	011379	Cylinder screw DIN 912 M4x30 8.8	2
12	060468	Disc spring M4	4
13	051267	Hexagon nut DIN 439 M4	6
14	051290	Cylinder screw DIN 912 M3x12 8.8	2
15	105943	Bracket	1
16	050890	Cylinder screw DIN 912 M5x20 8.8	3
17	105942	Fixed link	1
18	105941	Motor plate	1
19	052208	Ball bushing 0601-308-10	2
20	062410	Cylinder screw DIN 912 M4x16 12.9	2
21	105944	Bushing	1
22	105945	Guide	1
23	105993	Stop nut	1
24	007970	Milled nut DIN 467 M5	1
25	007660	Cylinder screw DIN 912 M5x30 8.8	1
o.A.	300341	power line 250mm/long M5	1
o.A.	300342	power line 290mm/long M6	1

Cutting Head >Marking Standard<

Item.-No.: 105917



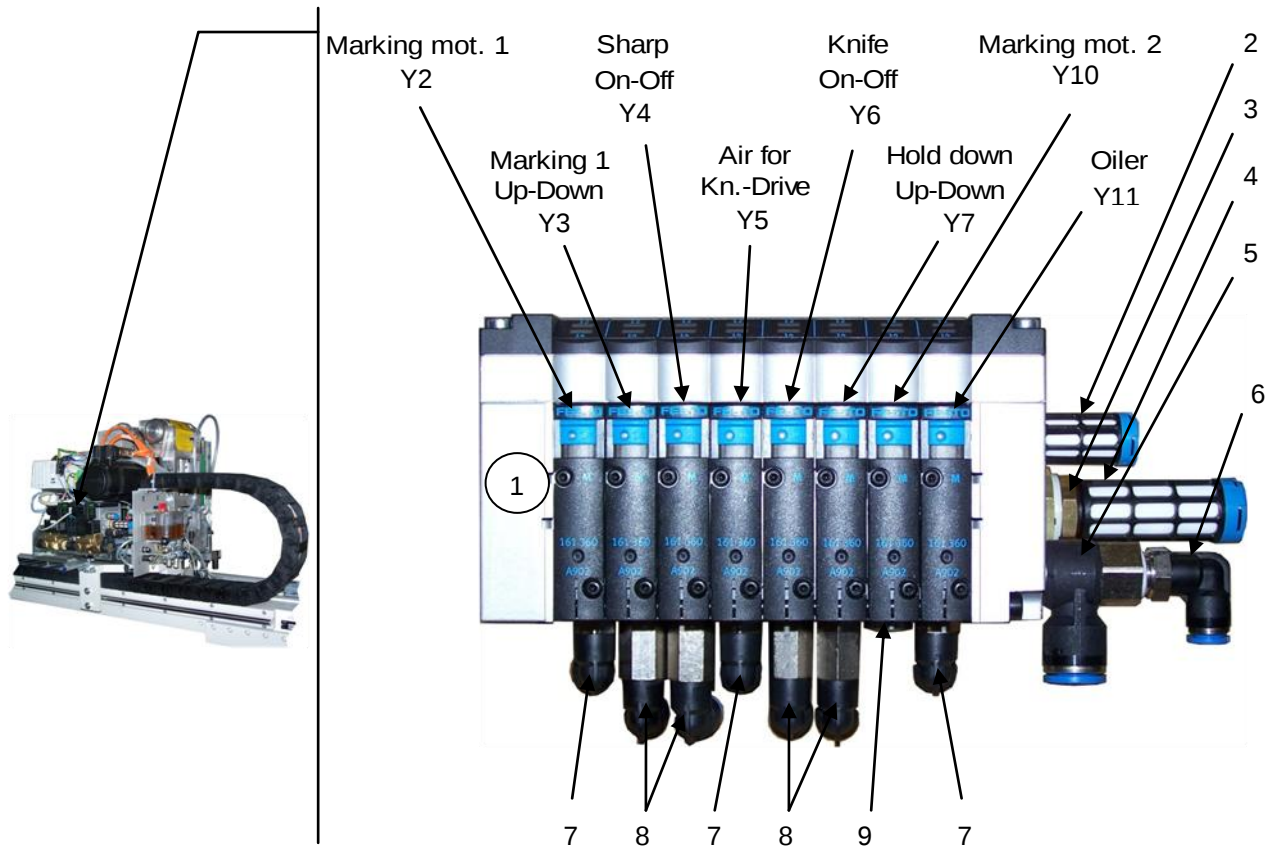
Pos.:	Item.:	Description:	Quantity:
1	060775	PN-Cylinder DPZ-100P-A-KF-S2	1
1	059795	PN-Cylinder DPZJ-20-80-PA-KF-S2	1
2	054790	Pneumatic plug screw QSM-M5-6	1
3	052525	Throttle back valve GRLA-M5-B	1
4	100239	Shaft ø8h6x190	1
5	081170	Stop ring	3
6	100241	Disc ø22x3	3
7	052501	Pn-motor MR 28-3000/1B	3
7	054288	Pn-motor MR 28-1400/1B	3
7	058609	Pn-motor MR 28-800/1B	1
zu 7	053551	Drill chuck key f. pneumatic motors	1
zu 7	060313	Drill chuck f. pneumatic motors	1
8	054784	Pneumatic plug screw QS-1/4-6	1
9	104609	Plate	1
10	103135	Guide	3
10	052208	Ball bushing 0601-308-10	1
11	100238	Guide 30x30x98	1
12	005707	Hexagon nut DIN 439 M6	2
13	005819	Cylinder screw DIN 912 M6x30 8.8	1
14	000000	Stop rubber	1
o.A.	063113	PN-End switch SME-8M-DS-24V-K2,5-OE	1
o.A.	007200	Heating cartridge	6

Cutting Head >Marking Ultrapower<

Pos.:	Item.:	Description:	Quantity:
1	109579	Fixing bracket left	1
2	063476	PN-Cylinder DPZJ-20-100-P-A-KF-S2	1
3	063113	PN-End switch SME-8M-DS-24V-K2,5-OE	2
4	052525	Throttle back valve GRLA-M5-B	2
5	054790	Pneumatic plug screw QSM-M5-6	2
6	010998	Pneumatic sound absorber U-1/2	1
7	063263	Air Sleeve QM-1/2-A/I	1
8	062724	Pneumatic motor LZB 46 A015-11	1
9	106984	Plate for Atlas Copco	1
10	081170	Stop ring	1
12	100241	Disc ø22x3	2
13	103135	Guide	2
13	052208	Ball bushing 0601-308-10	4
14	100239	Shaft ø8h6x190	2
15	059741	Drill chuck f. Item:062724	1
16	100238	Guide 30x30x98	1

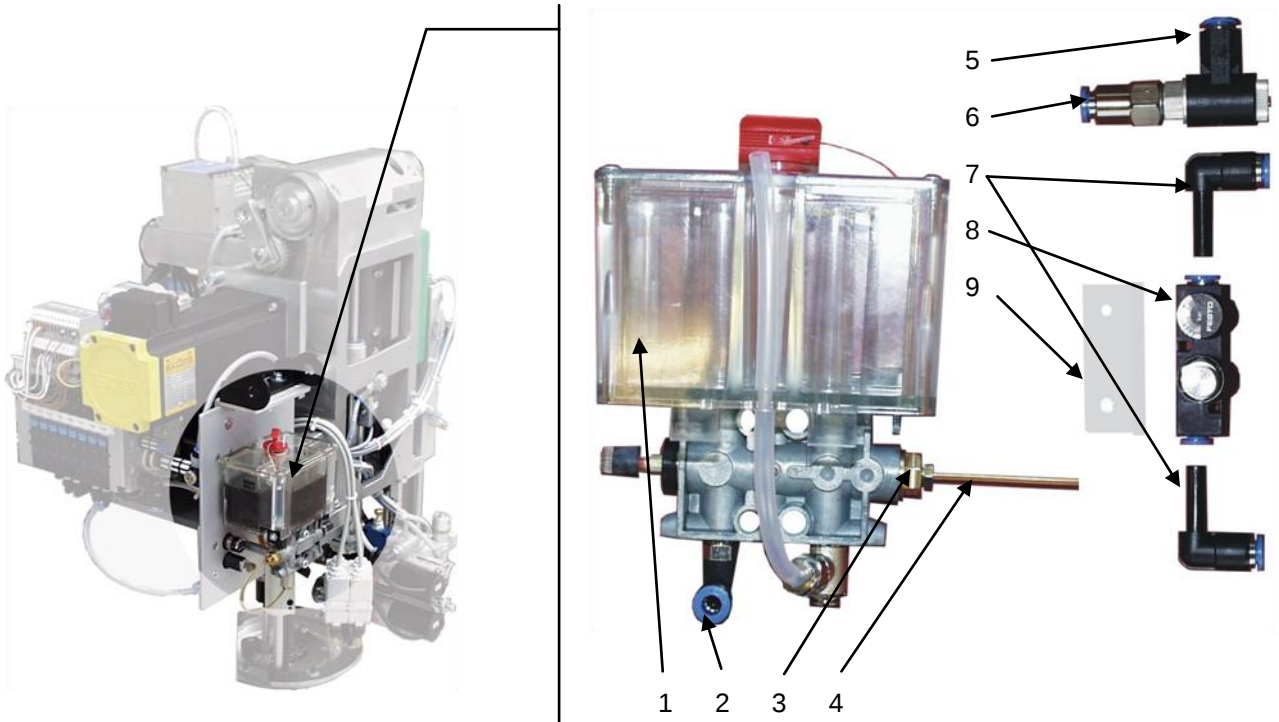
Cutting Head >Pneumatic-Valve island<

Item.-No.: 105910

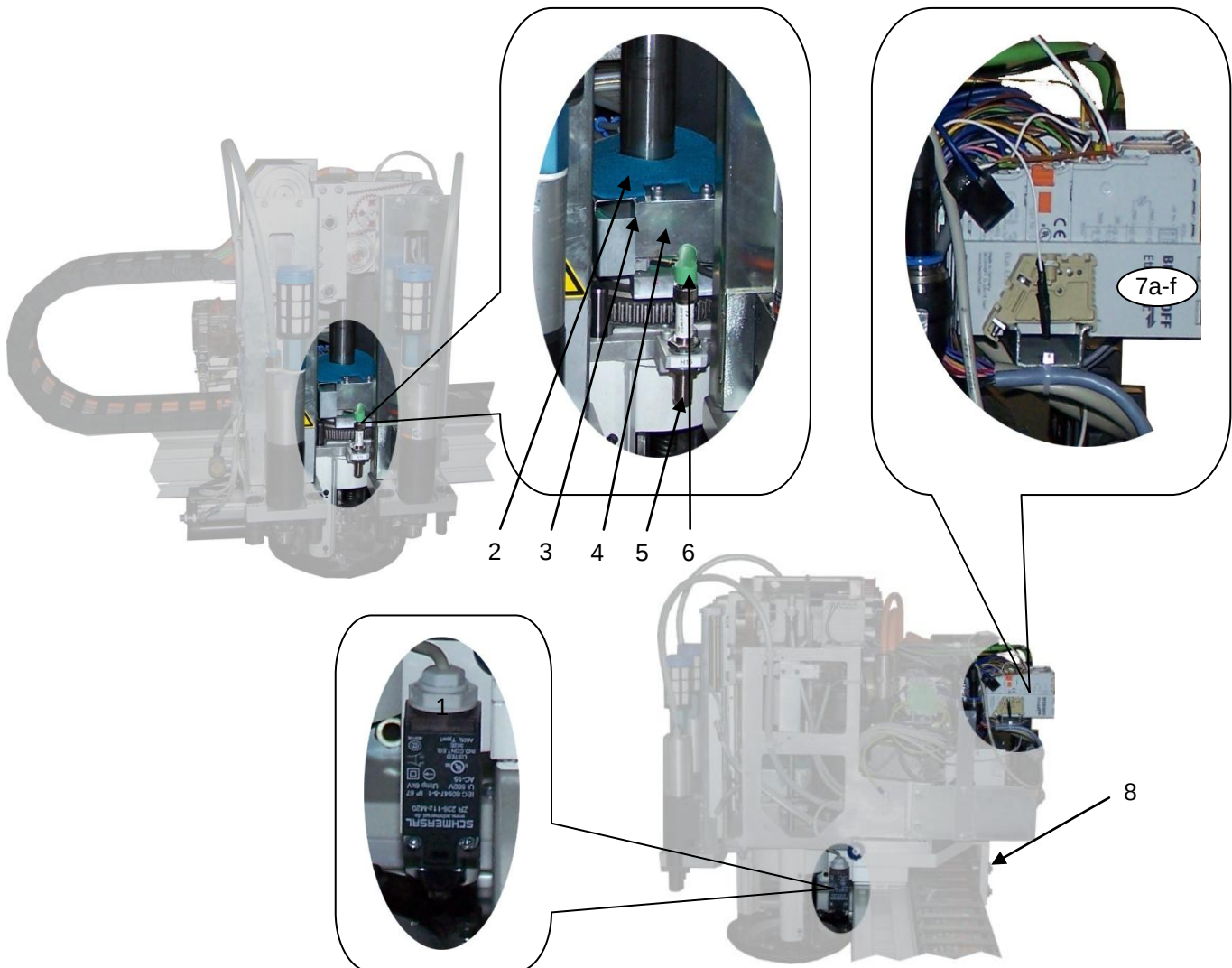


Pos.:	Item.:	Description:	Quantity:
1	060421	Valve island 10P-14-8C-MP-N-U-8M+H	1
2	006567	Pneumatic sound absorber U-1/8	1
3	006528	Pn-red. nipple D-1/4-i-3/8-a	1
3	007510	Pn-red. nipple with washer D-3/8-i-1/2-a	1
4	006566	Pneumatic sound absorber U-1/4	1
5	060475	Pneumatic screw QSTF-1/4-10-B	1
6	054803	Pneumatic L-plug screw QSL-1/4-6	1
7	054801	Pneumatic L-plug screw QSL-1/8-6	3
8	060422	Pneumatic L-plug screw QSL-1/8-6	4
9	006517	Pn-sealing plug B-1/8	5
6	054825	Pneumatic plug	1
6	060475	Pneumatic screw QSTF-1/4-10-B	1
6	058078	Pneumatic L-plug screw QSLV-1/4-6	1

Cutting Head >Lubrication Device<



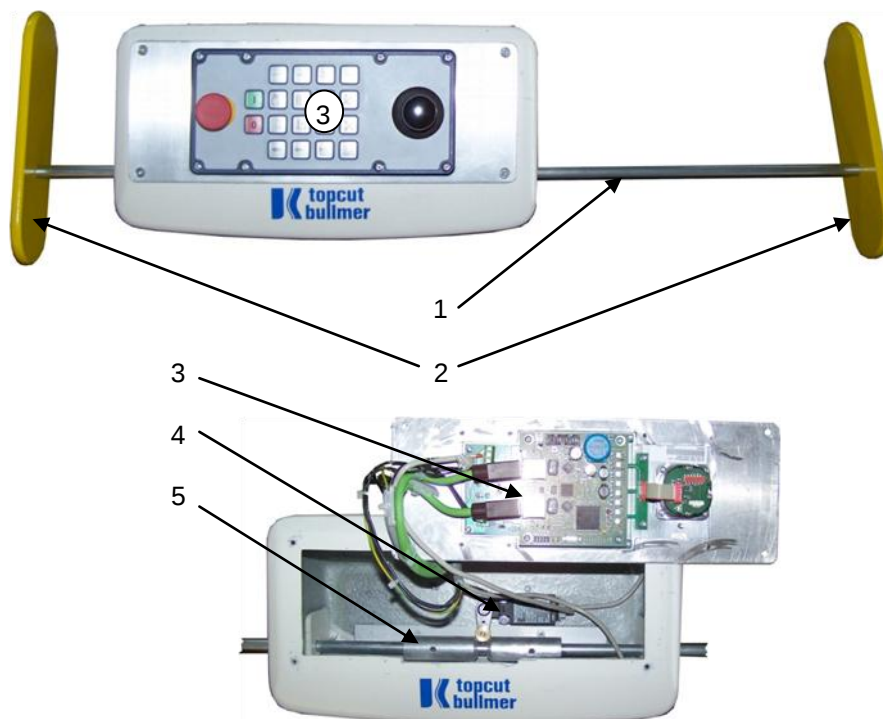
Pos.:	Item.:	Description:	Quantity:
1	063443	Injection Oiler LB 11 kompl.	1
2	054801	Pneumatic L-plug screw QSL-1/8-6	1
3	060866	Connection screw set	1
4	060865	Pre-filled Oil hose	1
o.A.	063067	Bullmer Spezial Oil (for lubricating knife drive)	1
o.A.	063018	Bullmer Glycerin	1
5	059763	One-way restrictor GRLA-1/8-QS-6-SA	1
6	054795	Pneumatic plug screw QSF-1/8-6	3
7	059884	Pneumatic pin and socket connection QSL-6H	4
8	060479	Pneumatic pressure decreaser LRMA-QS-6	5
9	105924	Angle	1

Cutting Head >Others<

Pos.:	Item.:	Description:	Quantity:
1	066428	End-switch ZR 236-11z	2
2	117226	Felt pad covering	1
3	066999	Two-way modul gold-coated	1
4	067000	Two-way brush blocks gold nib wire	1
5	064498	Projektor S12-ML-5-G-02B	1
6	064383	Cable-, sensor/aktor SAC-4P-M12FR	1
7a	066758	EtherCat couplers EK1100	1
7b	066752	16-channel-digital-input-clamp EL1809	1
7c	066753	16-channel-digital-output-clamp EL2809	1
7d	066754	2-channel-analog-input-clamp -10.+10 V EL 3102	1
7e	066756	2-channel-analog-output-clamp -10.+10 V EL 4032	1
7f	067069	Power optocoupler module AC/DC POK24/7,5	1
8	052529	Track roller KRE 26 PPA	2

Coordinate Carriage

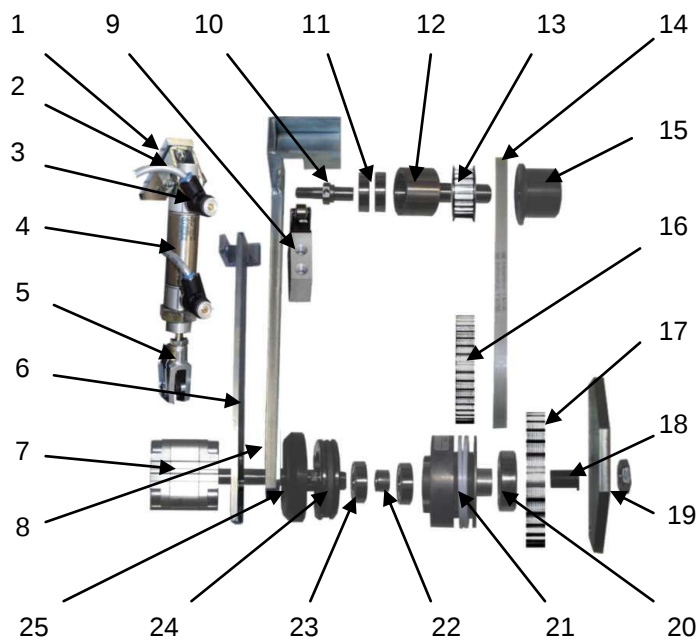
Operator Desk



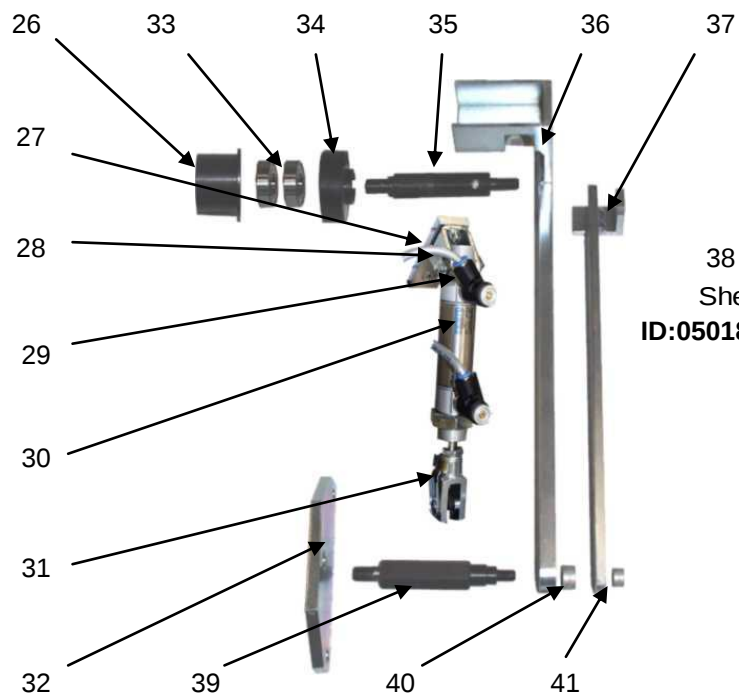
Pos.:	Item.:	Description:	Quantity:
1	106396	Control Rod	1
2	107779	Safety plate	2
3	066989	RAFI bus ethernet tableau	1
4	060757	Limit-switch ZV1H236-11Z	1
4	007424	Grooved ball bearing 624 ZZ	1
4	060770	Press. spring 1,2x15,2x29	1
5	107745	Control Cam	2

Resealer

>Operator Side<



>Opposite Side<



38
Sheet
ID:050185-AB

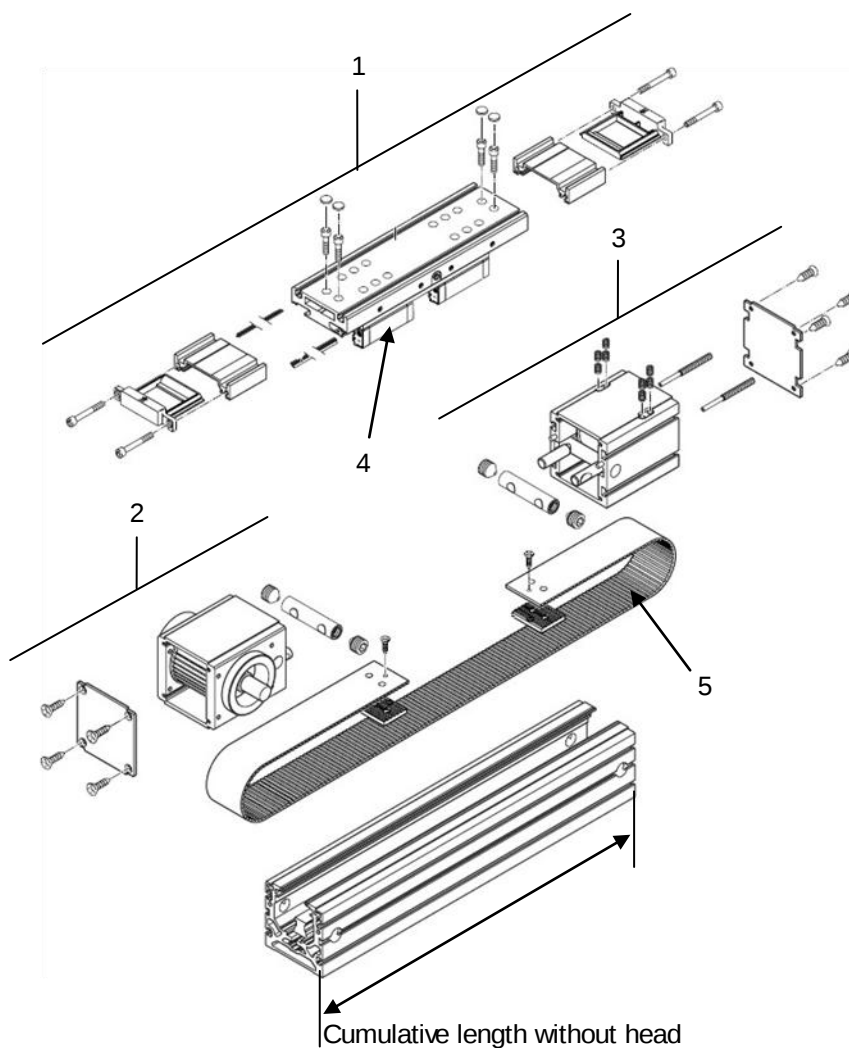
Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

Resealer

Pos.:	Item.:	Description:	Quantity:
1	107055	Inter Flange	1
2	060803	Bearingblock LBN-20/25	1
3	059763	One-way restrictor GRLA-1/8-QS-6-SA	2
4	051901	PN-Cylinder DSN-25-50-P	1
5	051751	Fork head SG M10 x 1,25	2
6	107048	Lever 1	2
7	061169	PN-Cylinder ACVU-32-5-A-P-A	1
7	061218	Spring n. Zg. 107053	1
8	107050	Roller Arm 1	1
9	050162	Pneum. Valve RS-3-1/8	1
10	107721	Bolt	2
11	005386	Grooved ball bearing 6001 ZZ	2
12	106722	Driving pin	4
13	106723	Tooth-disc	6
14	061161	Tooth belt 10 T5/725	2
15	106720	Bearing bush	1
16	106769	Drive disc	3
17	107354	Run. Wheel 2	1
18	107046	Distance bush	1
19	107045	Basic plate	2
20	007525	Free wheel 6204 RS1	2
21	106771	Hub 2 1/100.250	1
22	106767	Distance bush	1
23	005386	Grooved ball bearing 6001 ZZ	1
24	005358	Bearing 51108	1
25	107047	Disc	1
26	106724	Bearing bush	1
27	107055	Inter Flange	1
28	060803	Bearingblock LBN-20/25	1
29	059763	One-way restrictor GRLA-1/8-QS-6-SA	1
30	051901	PN-Cylinder DSN-25-50-P	1
31	051751	Fork head SG M10 x 1,25	1
32	107057	Basic Plate	1
33	005386	Grooved ball bearing 6001 ZZ	1
34	106726	Brake Disc	1
35	106725	Bolt	1
36	107051	Roller Arm 2	1
37	107049	Lever 2	1
38	050185-AB	Roller blind (foil) 200 µm working length declare	1
39	107056	Bolt	1
40	061166	DU-bush PG 141610 F	1
41	011631	DU-Bushing	1

Bridge >S-Version<

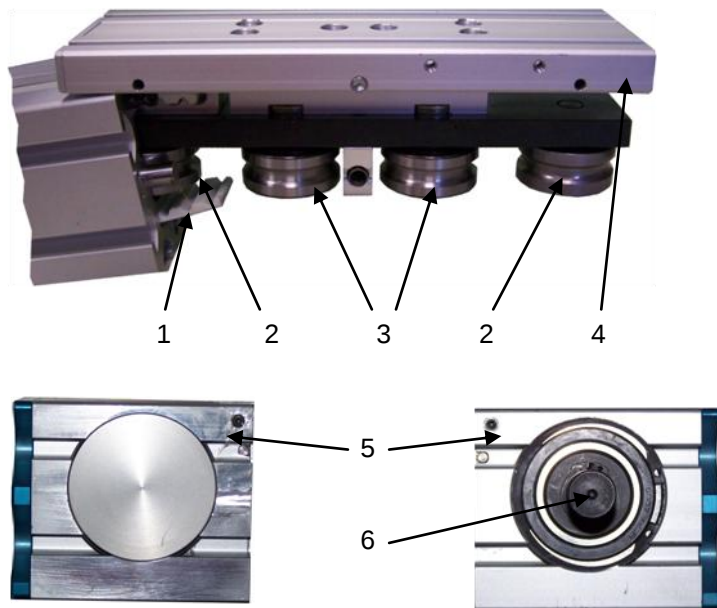
Y-Linear module >STAR MKR 20-80<



Pos.:	Item.:	Description:	Quantity:
1	064240	Carriage compl. l = 190mm	1
1	064241	Carriage compl. l = 260mm	1
2	063103	End head (single) MA01/le + MA02/ri	1
2	062568	Drive head MA03/bo	1
3	063416	End head - clamping side	1
4	065521	Runner block	2
5	063399	Tooth belt 50 ATL5 M	m

Method of calculation from the belt:
 $(2 \times \text{cumulative length/mm without head}) + 500\text{mm} - \text{carriage/mm}$

X-Linear module >Nadella<

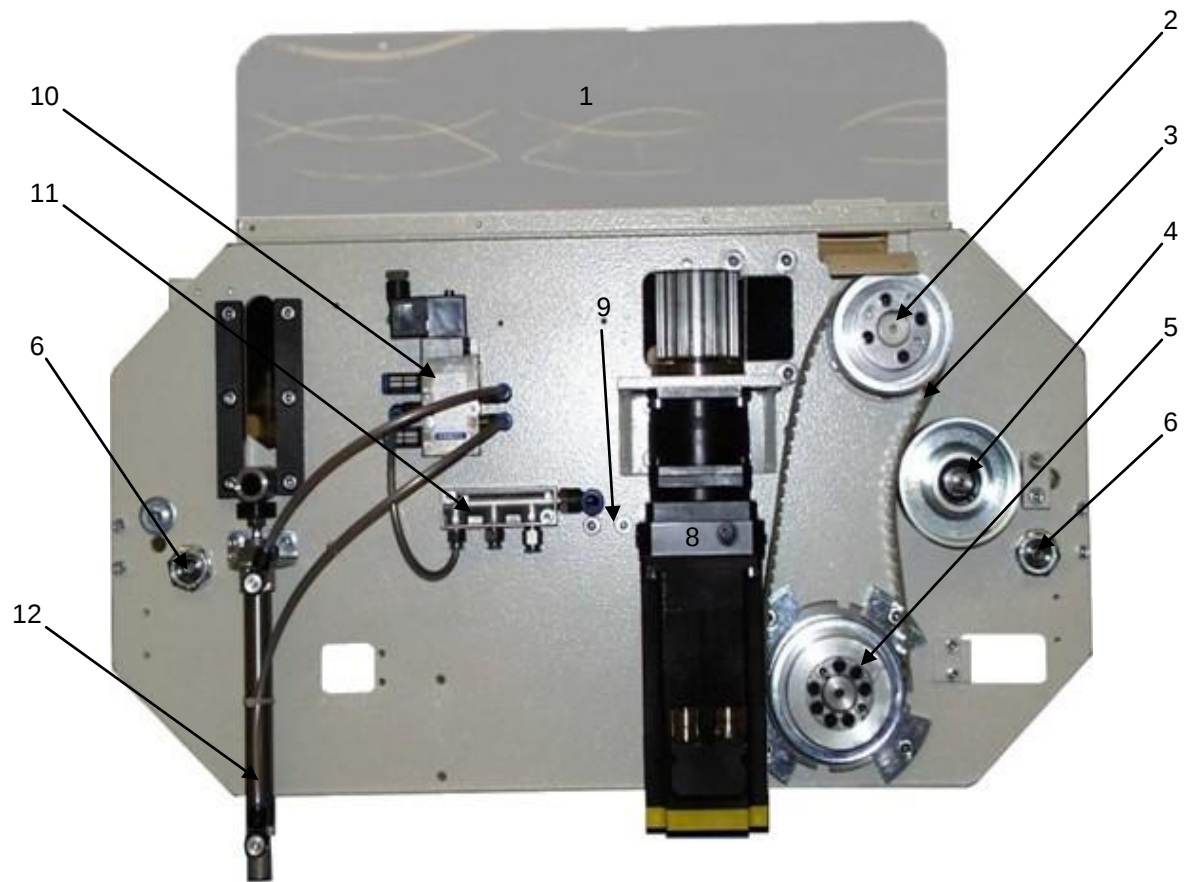


Pos.:	Item.:	Description:	Quantity:
1	067637	Belt typ: AXN80	m
2	068203	Role out PCPR42.10	2
3	068202	Role in GLA42,10	2
4	066297	AXN80 slide wagon compl.	1
5	067634	AXN80 drive/deflection head compl.	1
6	067635	AXN80 stub shaft "simply "	1
6	067636	AXN80 stub shaft "twice "	1

Method of calculation from the belt:
2 x cumulative length - 160mm

Bridge >LV-Version<

Side part coordination carriage >opposite operator side<



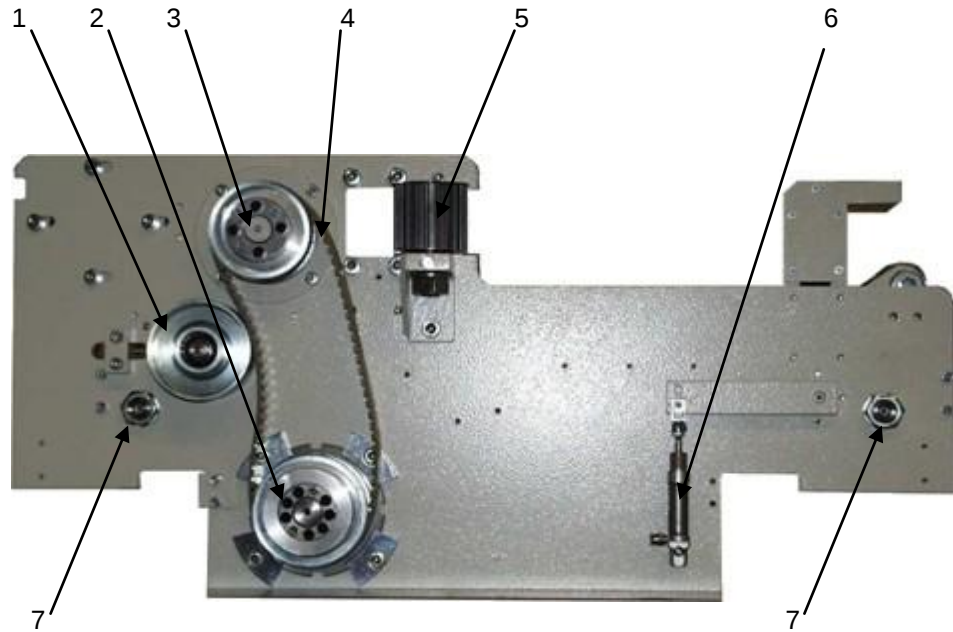
Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

Side part coordination carriage >opposite operator side<

Pos.:	Item.:	Description:	Quantity:
1	106023	Plexi glas disk	1
2		Drive unit consisting of:	
2	117631	Toothed belt wheel 40AT10/27-2	1
2	052668	Tension set	1
2	052662	Flange bearing	1
3	054104	Tooth belt 32 AT 10/800	1
4		Tension roll consisting of:	
4	104313	Tension roll	1
4	053901	Disc	1
4	102155	Shaft	1
5		Drive unit consisting of:	
5	102378	Claw	4
5	102377	Exenter cover	1
5	005390	Grooved ball bearing 6005 ZZ	2
5	117634	Toothed belt wheel 70AT10/30-2	1
5	050915	Tension set	1
5	102381	Tooth wheel shaft left z=44	1
6	052663	Curve roll NUKR 52 A	2
o.A.	011990	Limit switch	1
o.A.	101711	Receipt safety bar	1
o.A.	105937	Safety bar	1
8		Drive unit consisting of:	
8	066760	Servo-motor MSK050C-0600-NN-M1-UG0-NNNN	1
8	066761	P-gear GTE120-NN1-008A-NN20	1
8	060153	Tension set	1
8	117630	Toothed belt wheel 60AT10/20-2	1
9	012802	Head hold rolls KRE 32PP-SK	2
10		PN-unit consisting of:	
10	050345	PN-Magnet valve with PN-spool	1
10	006567	Pneumatic sound absorber U-1/8	1
10	054801	Pneumatic L-plug screw QSL-1/8-6	2
11		PN-unit consisting of:	
11	052141	PN-distributor 3-times	1
11	054784	Pneumatic plug screw QS-1/4-6	1
11	054786	PN-plug connection	1
11	054829	PN-plug connection QAL-1/4-10	1
12		PN-unit consisting of:	
12	059982	PN-Cylinder DSN-20-125-PPV	1
12	103383	Limit rubber	1
12	059763	One-way restrictor GRLA-1/8-QS-6-SA	1

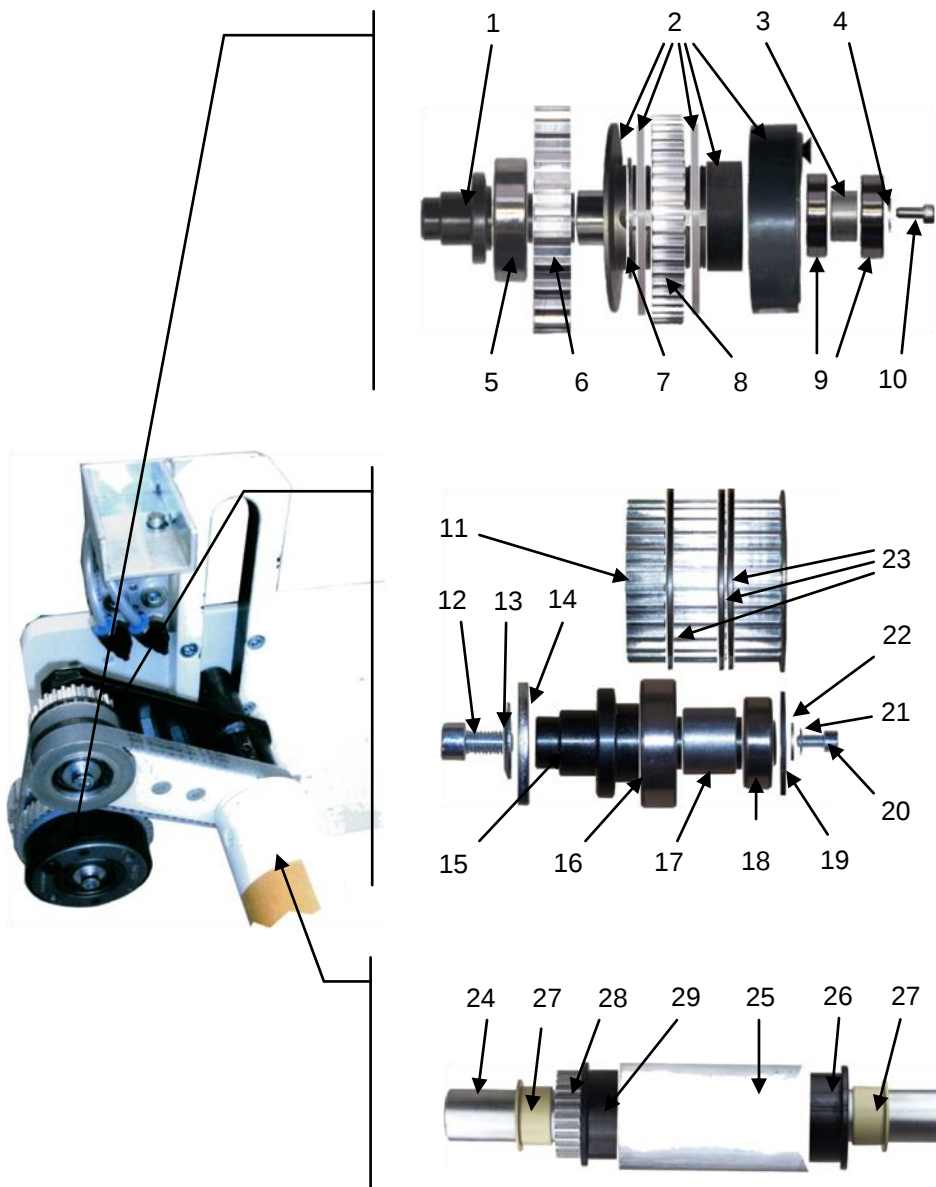
Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

Seitenteil Koordinatenwagen >Bedienseite<



Pos.:	Item.:	Description:	Quantity:
1		Tension roll consisting of:	
1	104313	Tension roll	1
1	053109	Grooved ball bearing 63002-2RS	2
1	102155	Shaft	1
2		Drive unit consisting of:	
2	102378	Claw	4
2	102377	Exenter cover	1
2	005390	Grooved ball bearing 6005 ZZ	2
2	117634	Toothed belt wheel 70AT10/30-2	1
2	050915	Tension set	1
2	102375	Tooth wheel shaft right Z=44	1
3		Drive unit consisting of:	
3	117631	Toothed belt wheel 40AT10/27-2	1
3	052668	Tension set	1
3	053338	Flange bearing 2306-2RS/2306E-2RS1TN9	1
4	054104	Tooth belt 32 AT 10/800	1
5		Drive unit consisting of:	
5	117632	Toothed belt wheel 60AT10/20-2	1
5	005389	Grooved ball bearing 6004 ZZ	2
5	105695	Bolt	1
6		PN-unit consisting of:	
6	060692	PN-Cylinder DSN-16-10-P	1
6	054790	Pneumatic plug screw QSM-M5-6	2
6	050372	Fork head SG-M6	1
7	052663	Curve roll NUKR 52 A	2

Resealer LV-version >tooth belt <

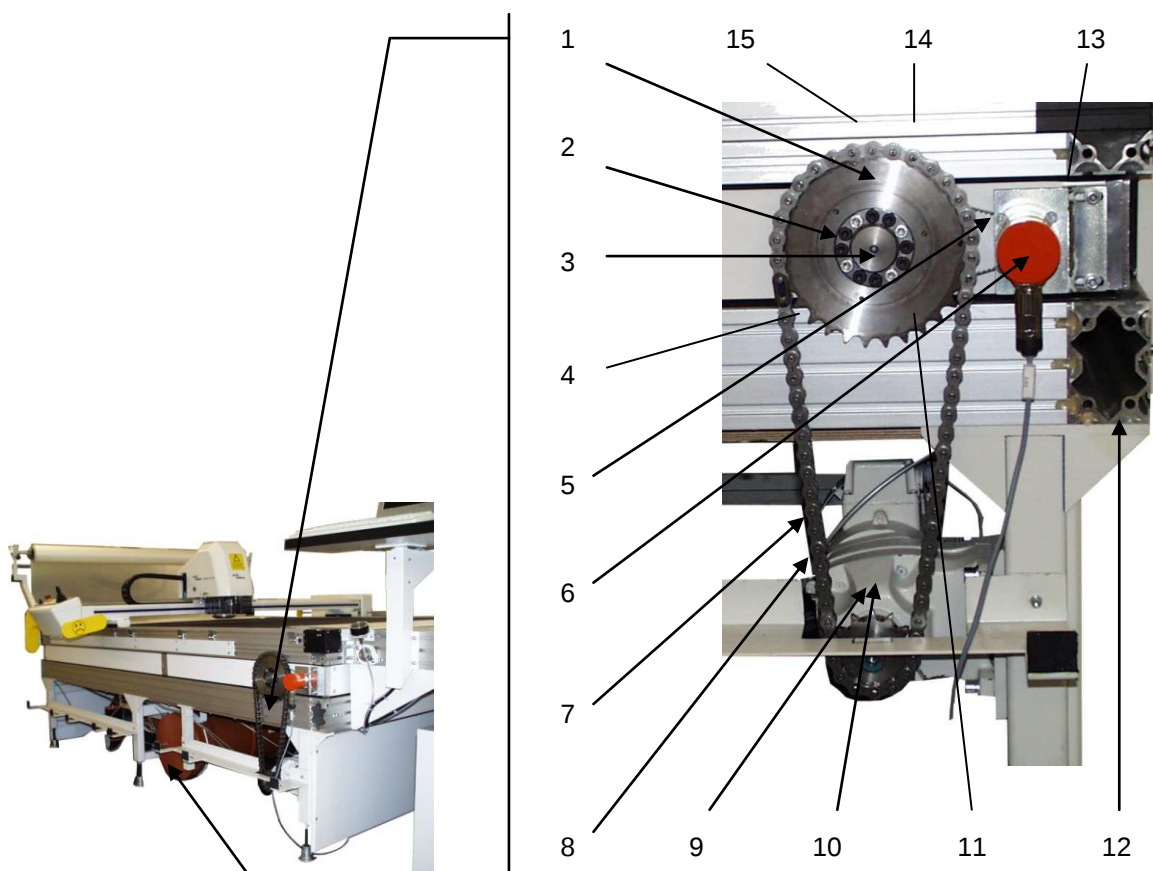


Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

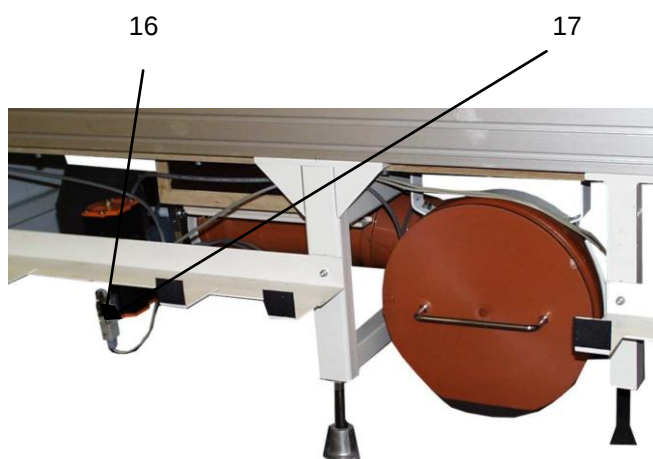
Pos.:	Item.:	Description:	Quantity:
1	107355	Bolt	1
2	106771	Hub 2 1/100.250	1
3	106767	Distance bush	1
4	052115	Locking disc S VZ NM, d6,0	1
5	007525	Free wheel 6204 RS1	1
6	107354	Run. Wheel 2	1
7	108959	Ring	1
8	107353	Driving wheel	1
9	005386	Grooved ball bearing 6001 ZZ	2
10	005813	Cylinder screw DIN 912 M6x12 8.8	1
11	107352	Return pulley	1
12	005824	Cylinder screw DIN 912 M8x16 8.8	1
13	052232	Safety disc S d 8.0	1
14	005687	Disc DIN 125-A d8,4	1
15	107356	Bolt excenter	1
16	007754	Grooved ball bearing 6201 ZZ	1
17	107358	Socket	1
18	005386	Grooved ball bearing 6001 ZZ	1
19	005738	Locking ring DIN 472 28x1,2	1
20	005813	Cylinder screw DIN 912 M6x12 8.8	1
21	052115	Locking disc S VZ NM, d6,0	1
22	005686	Disc DIN 125-A d6,4	1
23	054467	Lockwasher SP 42x1,5	3
24	105959-SB	Rolling-axle	1
25	104574-SB	Rolling-winding-roll	1
26	104558	Bearing	1
27	059424	Slide bearing Iglidur	1
28	104657	Toothed belt wheel	1
29	104659	Flange	1

Bristle conveyor

>Conveyor Drive<



>Vacuumfilter<



Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

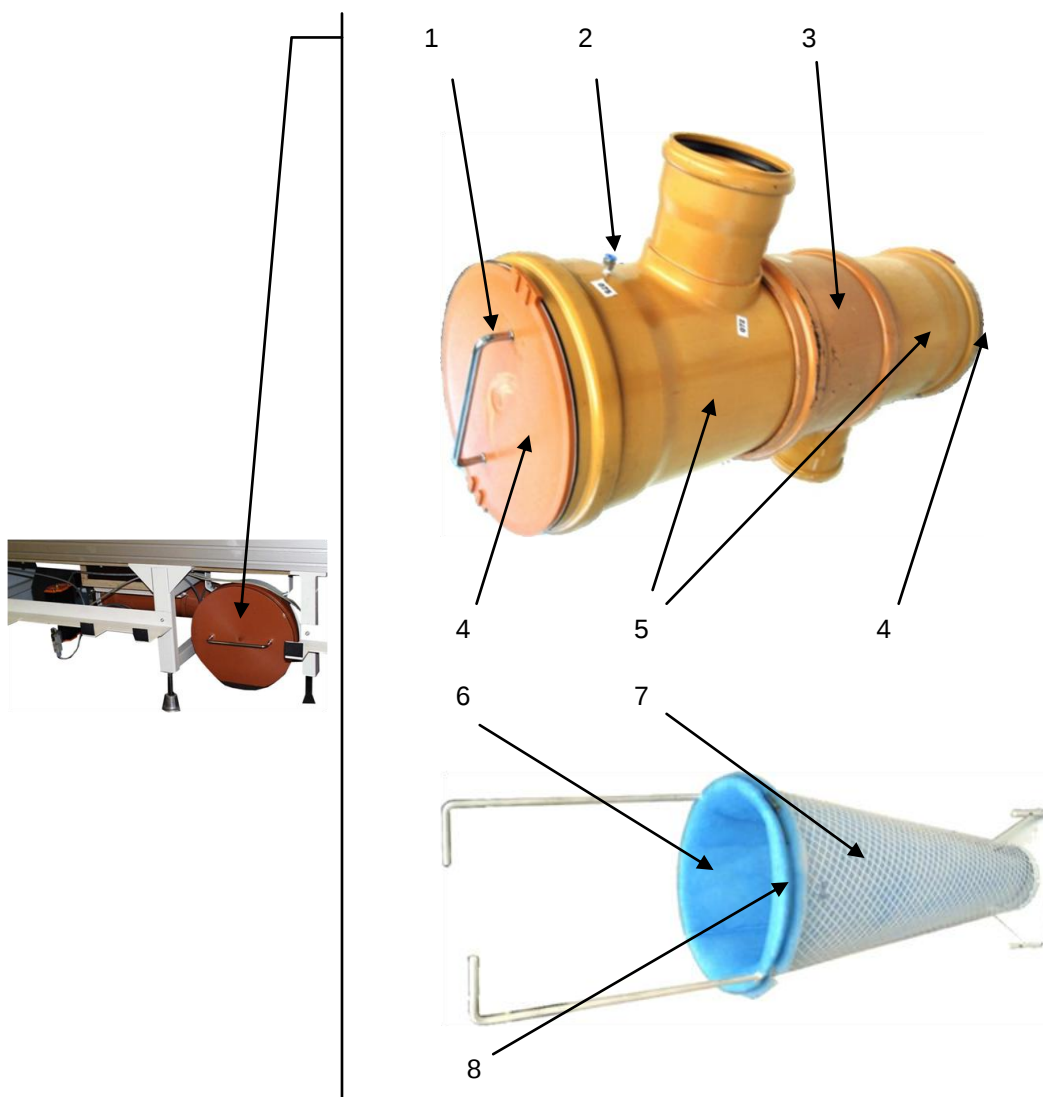
>Conveyor Drive<

>Vacuumfilter<

Pos.:	Item.:	Description:	Quantity:
		>Conveyor Drive<	
1	105526	Chainwheel 30 Z	1
2	060248	Tension set RLK 200 / 45 x 75	1
3	105699-AB	Drive shaft 45 mm	1
4	101965	Belt disc	1
5	054620	Tooth belt 6 T5 x 610	1
6	059619	Encoder 8.5800.1245.4000	1
7	006388	Chain	1,5
8	007808	Chain lock	1
9	061477	Motor GFNC4B4-RED90L20-4-B3 0,75KW	1
9	108024	Chain wheel	1
10	052398	Motor SFN24B45-FRED100L24-4G-B3 1,1KW	1
10	104660	Chain wheel 13Z	1
11	060315	Shaft Seal D=45mm	1
12	054790	Pneumatic plug screw QSM-M5-6	1
12	058270	Vakuum switch VS-V-A-PNP	1
13	108288	Tooth lock washer	1
14	105700	Chain wheel 27Z	1
15	060248	Tension set RLK 200 / 45 x 75	1
		>Vacuumfilter<	
16	009569	Limit switch 83.803.0	1
17	009570	Roller lever for Limit switch 83.843.0/83.803.0	1

Vacuumfilter

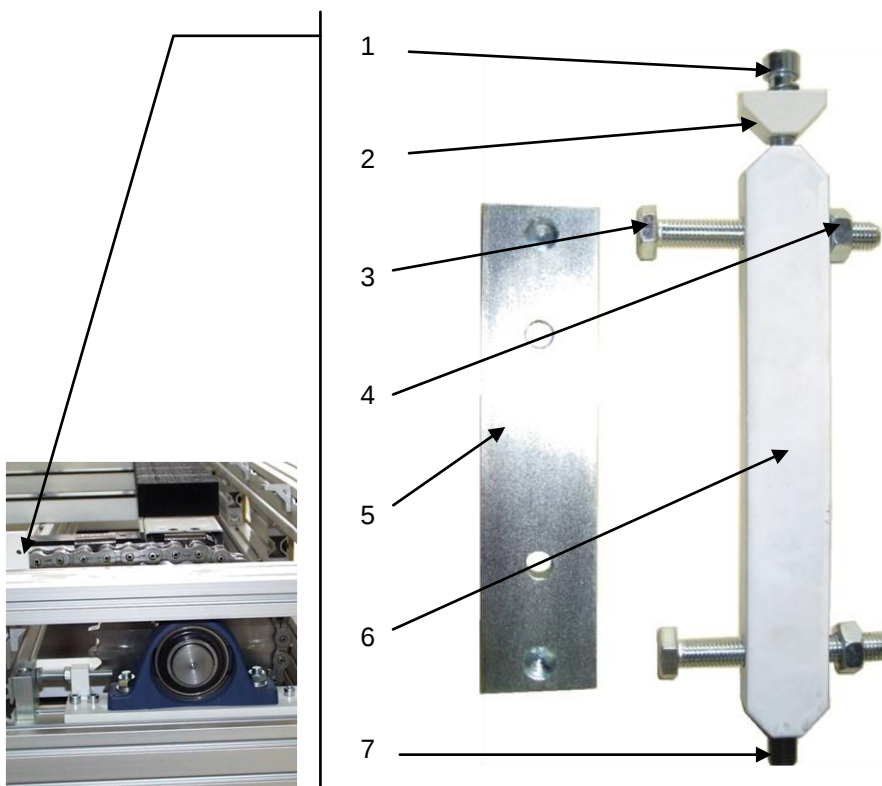
compl. Item:115349



Pos.:	Item.:	Description:	Quantity:
1	060765	Tool handle / handgrip	1
2	054782	Pneumatic plug screw QS-1/8-6	1
3	060699	KG-slip-over hub KGUM 300 Mawin	1
4	060697	KG-socket plugs KGM EV 300 EJK	1
5	060698	KG-junction 87° KGA 300 150 87 Mawin	2
6	053619	Channel filter (had)	1
7	106260	Filter basket	1
8	060826	Band	1
o.A.	107257	Filter basket Metal cloth	1

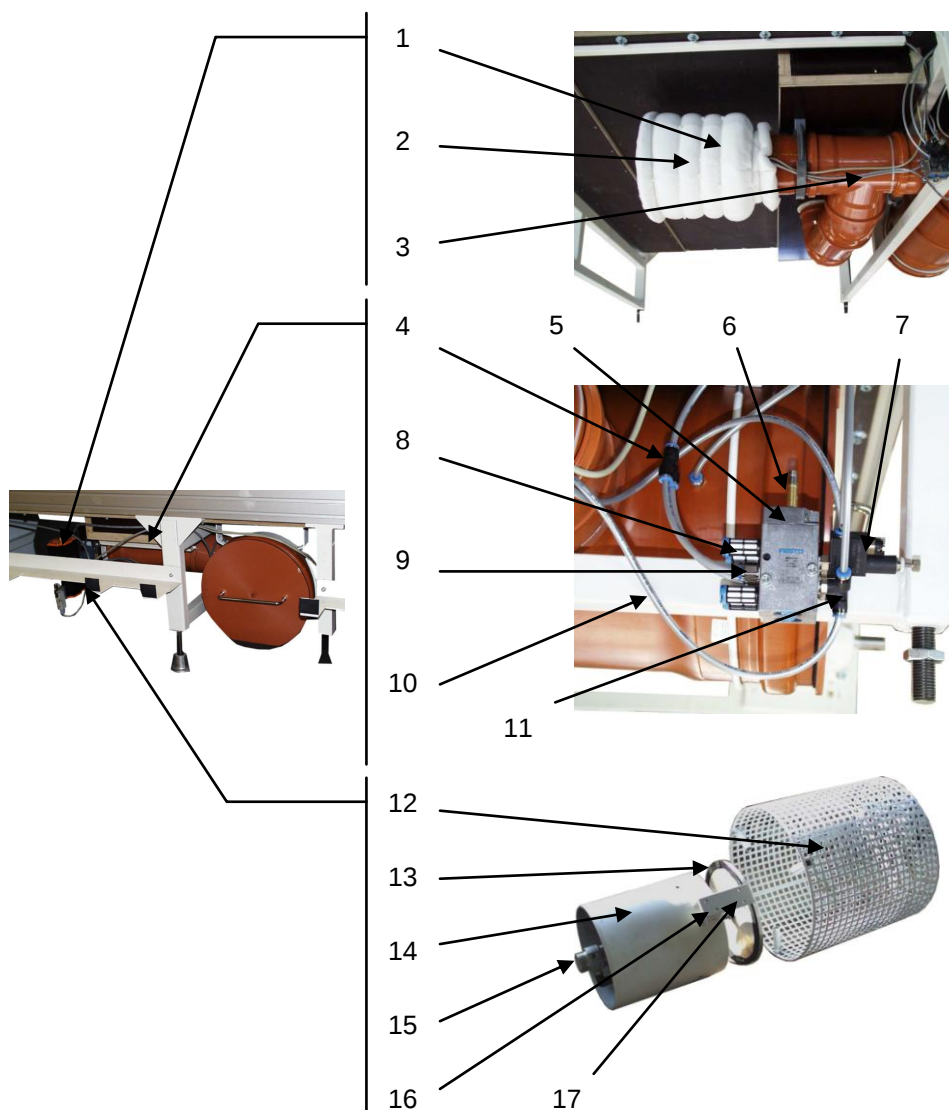
Chain transport lock split version (LV)

Item:115469



Pos.:	Item.:	Description:	Quantity:
1	005830	Cylinder screw DIN 912 M8x40 8.8	2
2	105301	Brick	2
3	053236	Hexagon screw DIN 933 M10x80 8.8	2
4	005894	Hexagon nut DIN 934-8 M10	2
5	105299	Flat steel galvanized	2
6	105300	Flat steel	2
7	058262	Set screw DIN 916 M10x30	2

Vacuum >air switching and bitefeed flap<



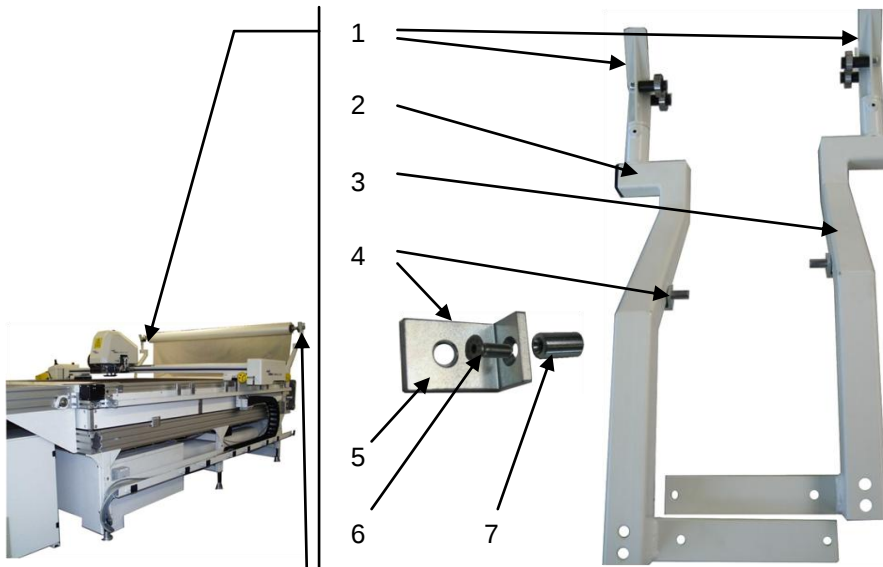
Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

Vacuum >air switching and bitefeed flap<

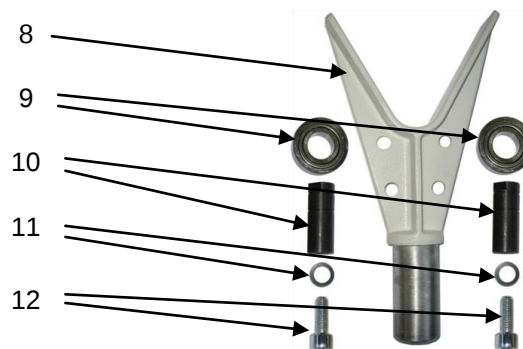
Pos.:	Item.:	Description:	Quantity:
1	114335	Damper fleece front	1
1	114336	Damper fleece winding	1
2	006680	Mounting bracket	1
3	109218	BY-Pass valve	1
4	054824	Pneum. - Y-plug connection QSY-6	1
5	050345	PN-Magnet valve with PN-spool	1
6	012737	Pneum-M-Coil MSFG-24	2
7	060479	Pneumatic pressure decreaser LRMA-QS-6	1
8	006567	Pneumatic sound absorber U-1/8	1
9	054782	Pneumatic plug screw QS-1/8-6	1
10	054796	Pneum. Hose PUN 6 x 1	1
11	054801	Pneumatic L-plug screw QSL-1/8-6	1
12	107590	Safety basket	1
13	107342	Sealing cap	1
14	107340	Sealing body	1
15	061702	Pneum. Cylind. DSW-32-50-PB	1
16	009569	Limit switch 83.803.0	1
17	009570	Roller lever for Limit switch 83.843.0/83.803.0	1
o.A.	054801	Pneumatic L-plug screw QSL-1/8-6	1
o.A.	054782	Pneumatic plug screw QS-1/8-6	1

Foil holder

compl. Item:115331



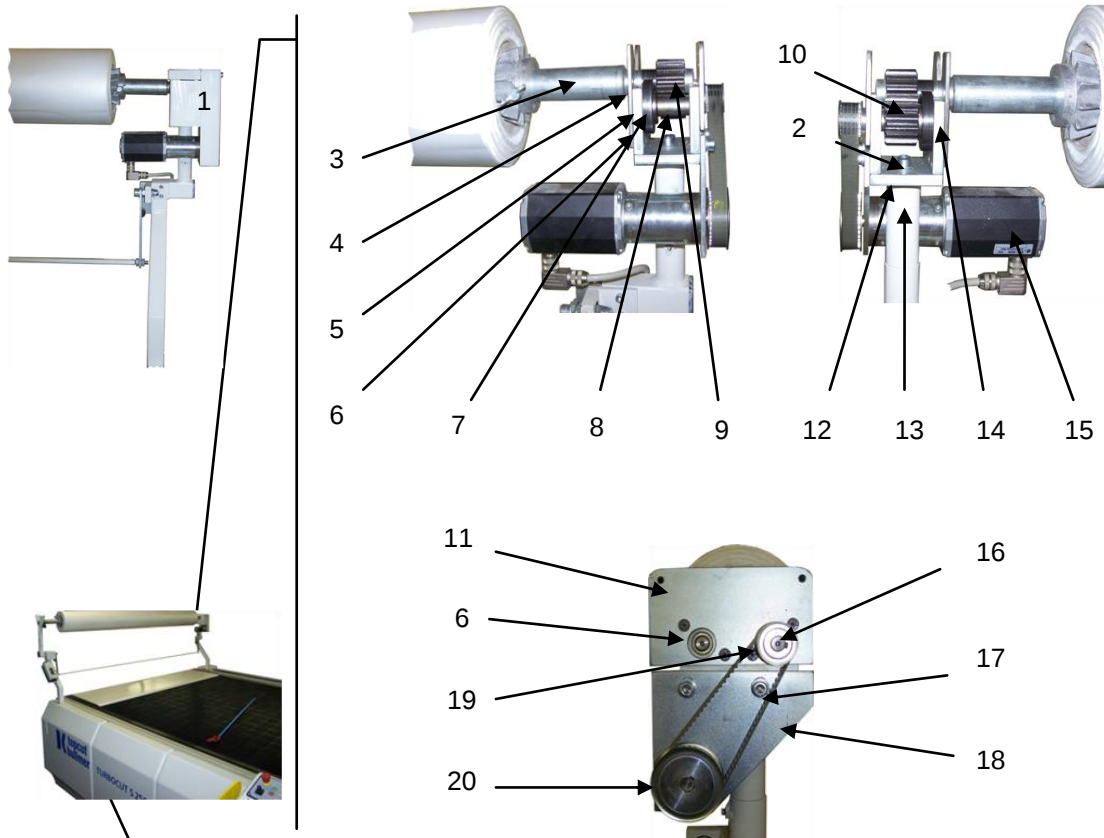
Foil support
compl. Item:115330



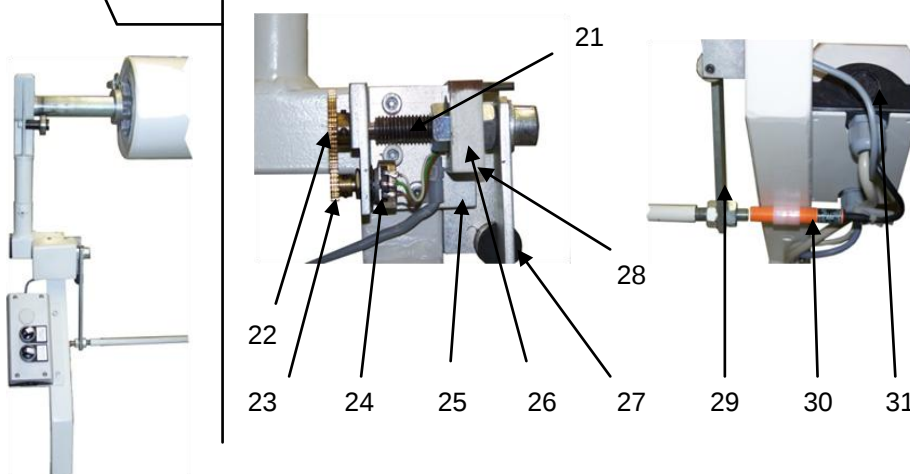
Pos.:	Item.:	Description:	Quantity:
Foil holder consisting of:			
1	115330	Roll of fabric support cutter	1
2	107700	Unwinding support right	1
3	107701	Unwinding support left	1
4	115332	Supporting device kpl.	1
5	085026	Angle	2
6	085028	Axis	2
7	007608	Flat head screw DIN 7991 M5x16 10.9	2
Foil support consisting of:			
8	104174	Roll of fabric support	2
9	005388	Grooved ball bearing 6003 ZZ	4
10	103843	Bolt	4
11	052232	Safety disc S d 8.0	4
12	005824	Cylinder screw DIN 912 M8x16 8.8	4
o.A.	005734	Safetyring DIN 472 17x1	4

Automatic foil unrolling

>Opposite Side<



>Operator Side<

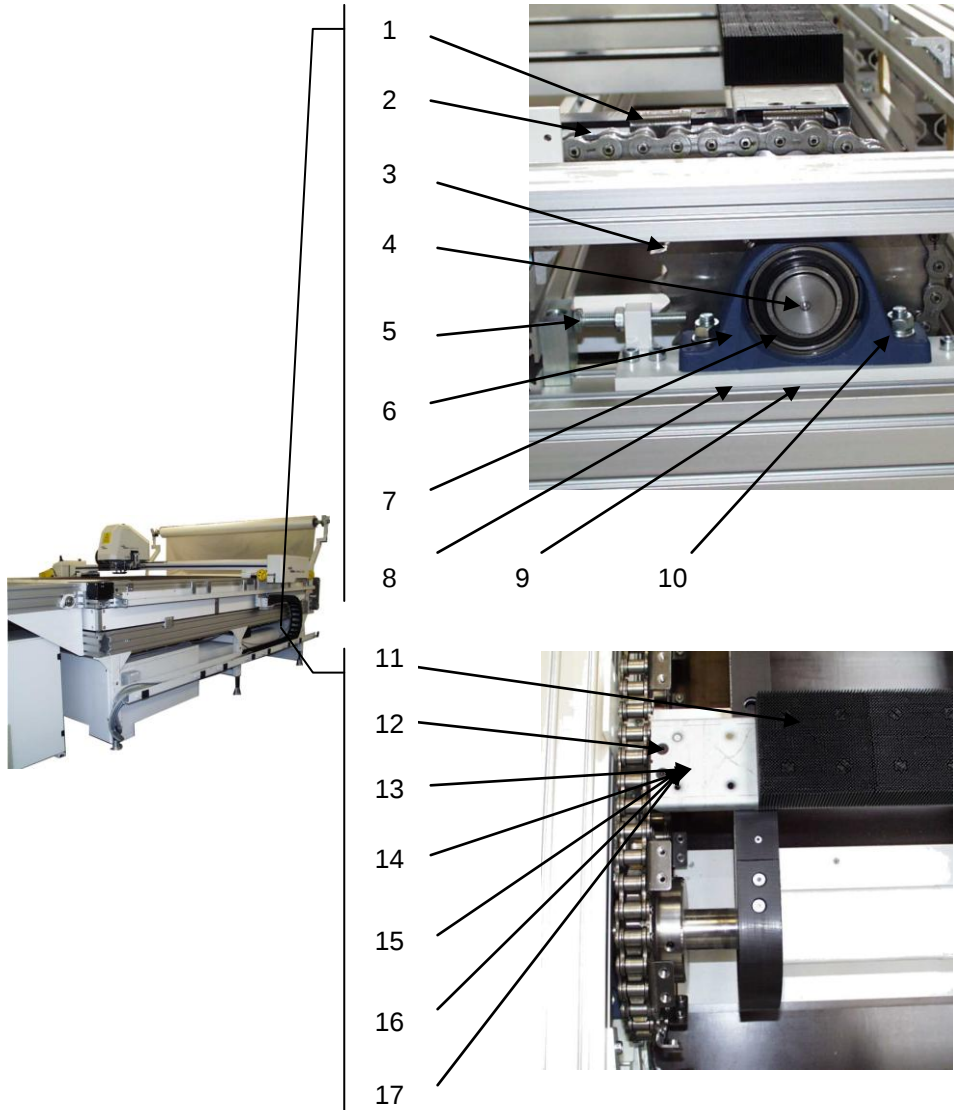


Spare and Wearing Parts of the topcut-bullmer Cutter PROCUT 5xxx/8xxx

Automatic foil unrolling

Pos.:	Item.:	Description:	Quantity:
		>Opposite Side<	
1	105036	Cover right for left-hand version	
2	101994	Base plate	
3	105056-AB	Tube-AB	
4	103131	Fork	
5	101995	Plate	
6	007754	Grooved ball bearing 6201 ZZ	
7	104229	Roller	
8	104228	Shaft	
9	014221	Gear	
10	080258	Gear Z-13 (12871)	
11	101996	Plate	
12	104243	Disc	
13	101999	Bolt	
14	007754	Grooved ball bearing 6201 ZZ	
15	062795	Motor BG65x25SI,24V i = 126,56	
16	104227	Shaft	
17	059176	Tooth belt 16 T5 x 410	
18	101997	Plate	
19	104272	Tooth belt wheel	
20	101998	Tooth belt wheel (12423)	
		>Operator Side<	
21	106879	Screw	
21	005690	Disc DIN 125-B 13	
21	050585	Hexagon nut DIN 439 M12x1	
22	084092	Gear	
23	106880	Gear	
24	008088	Poti 10K?	
25	107546	Angle	
26	103875	Bearing housing	
27	058915	Rubber Buffer M6	
28	103881	Plate	
29	103876	Plate	
30	011600	Limit switch IF - 3004 APKG	
31	061362	Housing M22-I3	
31	061373	Selector switch M22-WKV 0-1 , locking	
31	061372	Selector switch I-O-I tast	
31	061386	Make contact element M22-KC10	

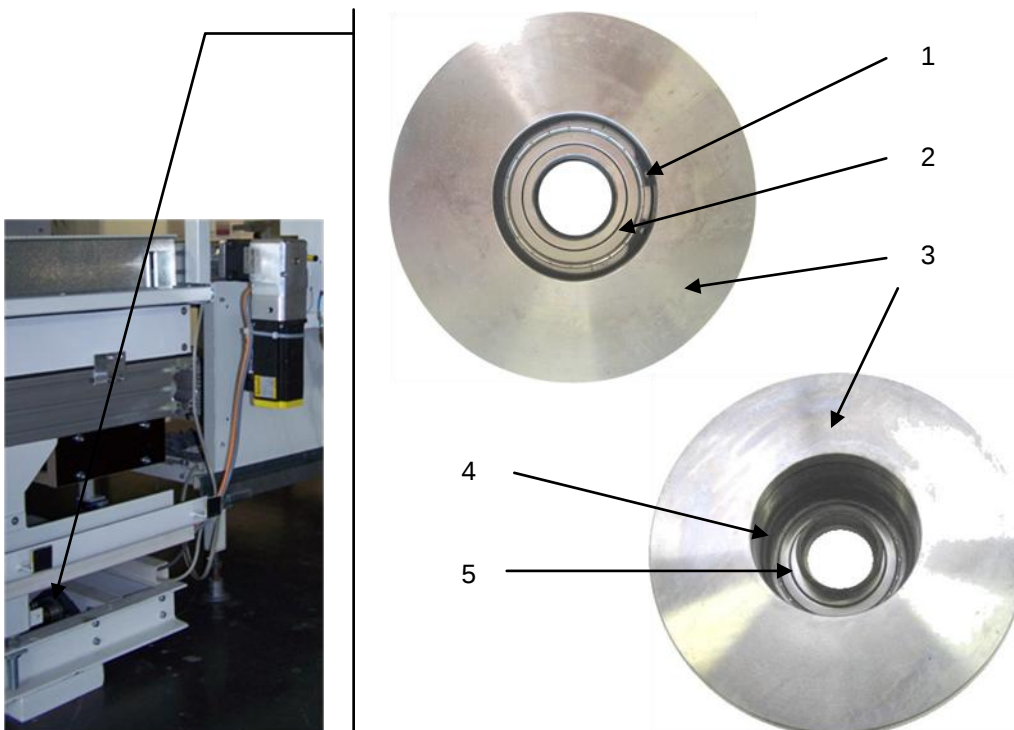
Bristle Conveyor



Pos.:	Item.:	Description:	Quantity:
o.A.	115329	Bearing set driving shaft / transverse shaft	1
1	054924	Spec. Roller chain	AB
2	053097	Connection link with feather	1
3	105701	Chain wheel 27 Z	2
4	105698-AB	Divers. Shaft work width	1
5	053236	Hexagon screw DIN 933 M10x80 8.8	4
6	105731	Bearing housing	2
7	060254	Bearing unit YAR 209 2F	2
8	105720	Bearing block I	1
9	108769	Bearing block II	1
10	058121	Flat head screw DIN 7991 M12x45 10.9	2
11	060548	Bristle segment	125
12	058014	Countersunk-head screw 3M	4
13	106063-24	Anchor rail work. width 2400 mm	1
14	103900-22	Anchor rail work. width 2200 mm	1
15	101757-20	Anchor rail work. width 2000 mm	1
16	101651-18	Anchor rail work. width 1800 mm	1
17	100432-16	Anchor rail work. width 1600 mm	1

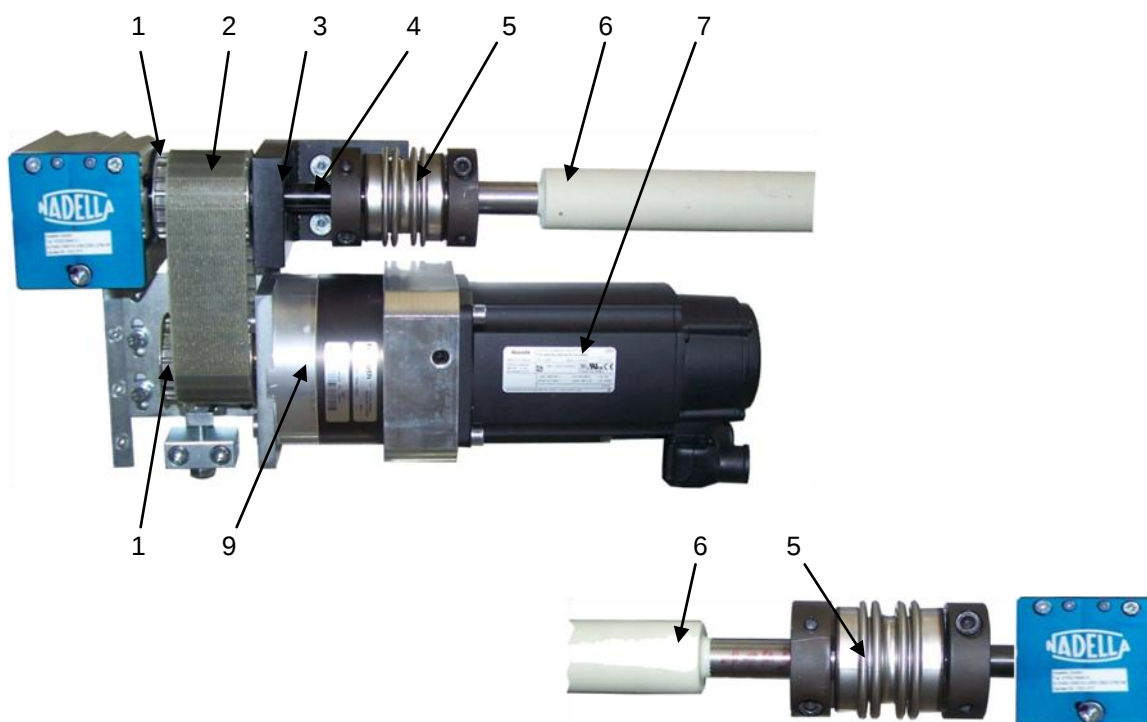
Profile roll f. cutter version mover

complete. Item:115340

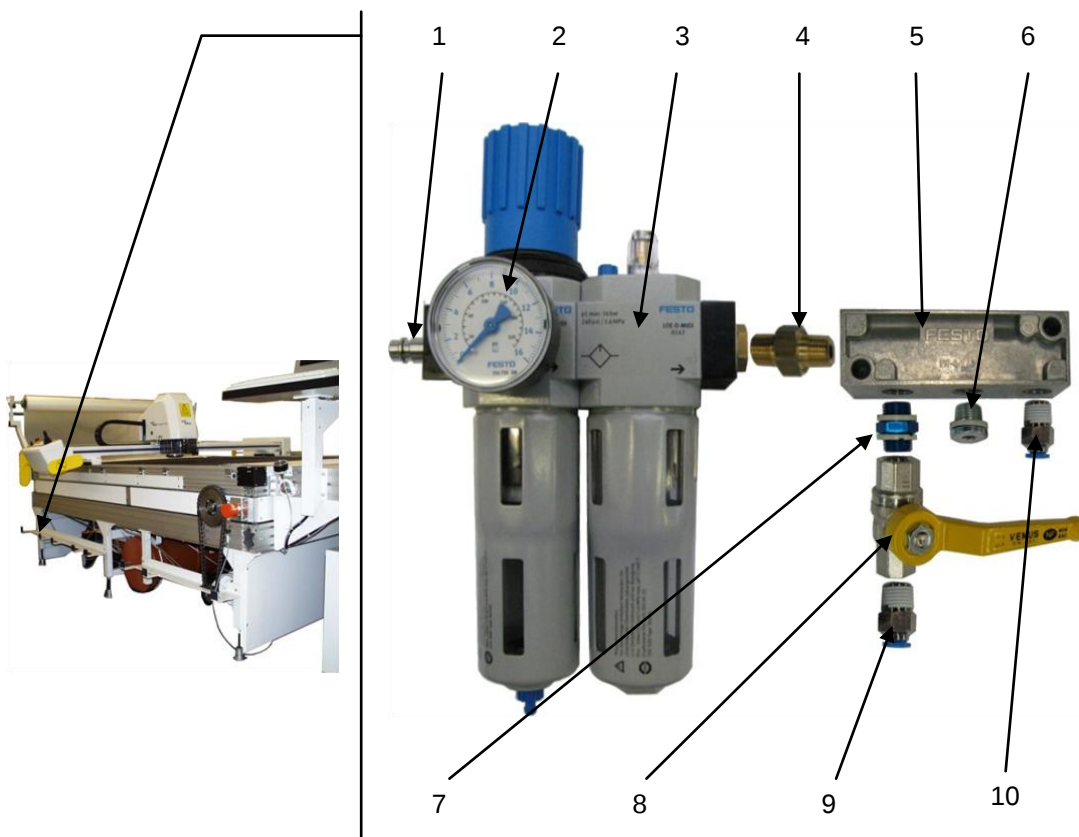


Pos.:	Item.:	Description:	Quantity:
1	011667	Safetyring DIN 472 80x2,5	8
2	012457	Grooved ball bearing 6208 ZZ	8
3	107495	Pulley	4
4	107583	Distance ring	4
5	107582	Distance ring	4

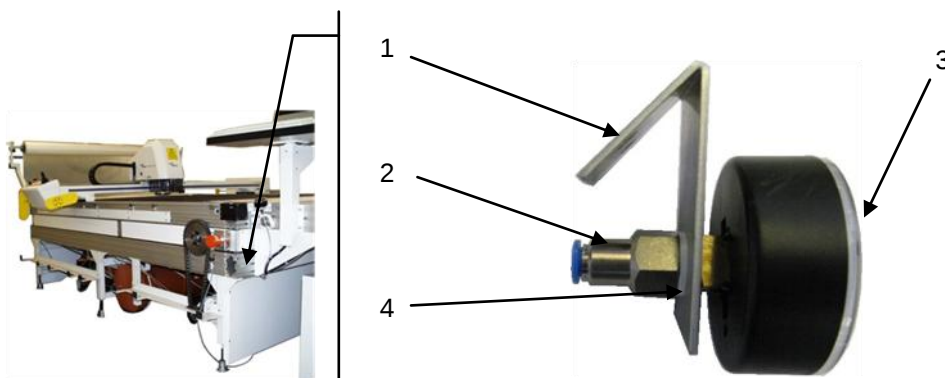
X-axis drive - motor >belt<



Pos.:	Item.:	Description:	Quantity:
1	117607	Gear x-axle	2
2	067916	Toothed belt 50AT10 x 400	1
3	065647	Flange-bearing ENPFL 204	1
3	007946	Self-aligning ball bearings 1204 ETN	1
4	117587	Drive shaft	1
5	060726	Metal coupling 560-66 18H7	2
6	117593-SB	Connecting shaft	1
7	066760	Servo-motor MSK050C-0600-NN-M1-UG0-NNNN	1
9	066761	P-gear GTE120-NN1-008A-NN20	1

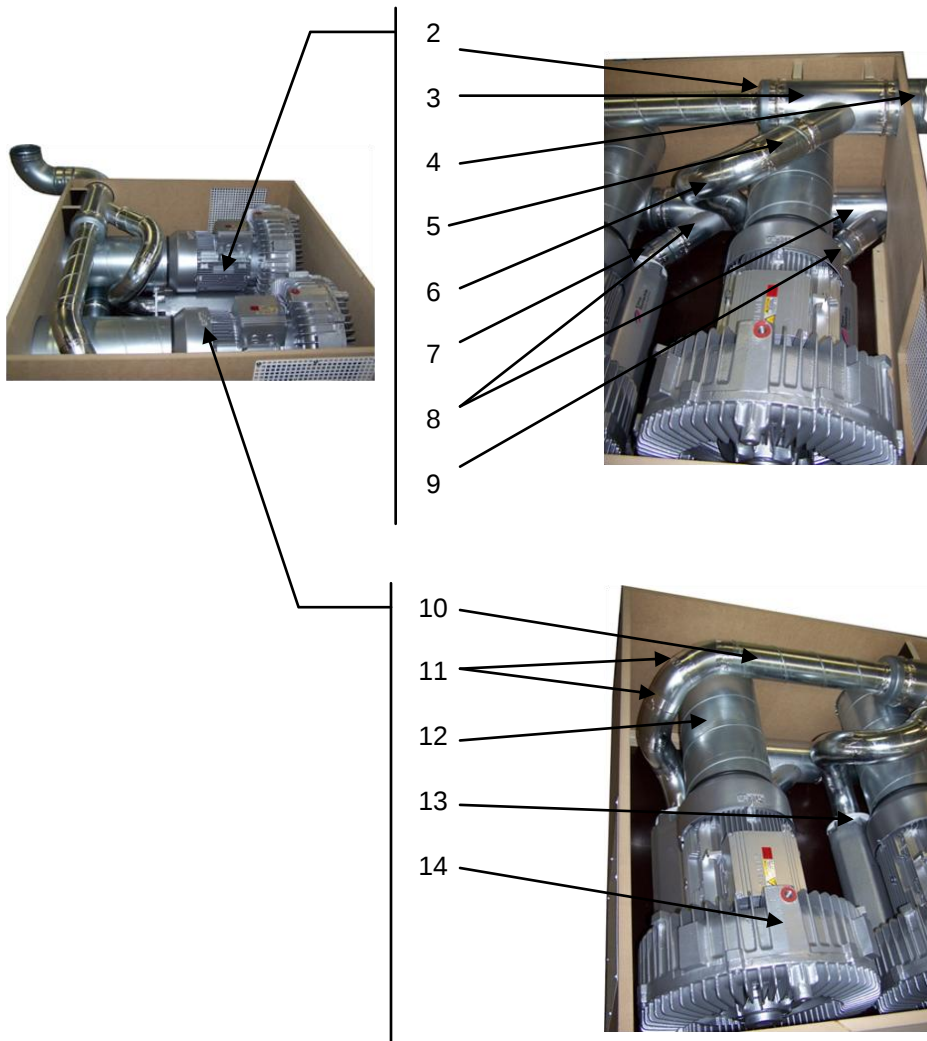
PN-maintenance unit

Pos.:	Item.:	Description:	Quantity:
1	012479	Connection plug KS-3/8	1
1	061156	Oil seal O-3/8	1
2	061262	Pressure gauge MA-50-16-1/4-EN	1
3	060448	Air service unit FRC-3/8-D-Midi	1
4	050190	Double nipple ESK-1/4-1/4	1
4	061156	Oil seal O-3/8	1
5	052141	PN-distributor 3-times	1
6	050693	Pn-sealing plug B-1/4	1
6	006557	Oil seal O-1/4	1
7	006531	Double nipple E-1/4-1/4	1
7	006557	Oil seal O-1/4	1
8	053232	Ball valve brass	1
9	054784	Pneumatic plug screw QS-1/4-6	1
10	054786	PN-plug connection	1

Vacuum display

Pos.:	Item.:	Description:	Quantity:
1	101637	Holder	1
2	054794	Pneumatic plug screw QSF-1/4-6	1
3	053311	Vacuum display VAM 63-V1/0-1/4	1
4	006557	Oil seal O-1/4	1

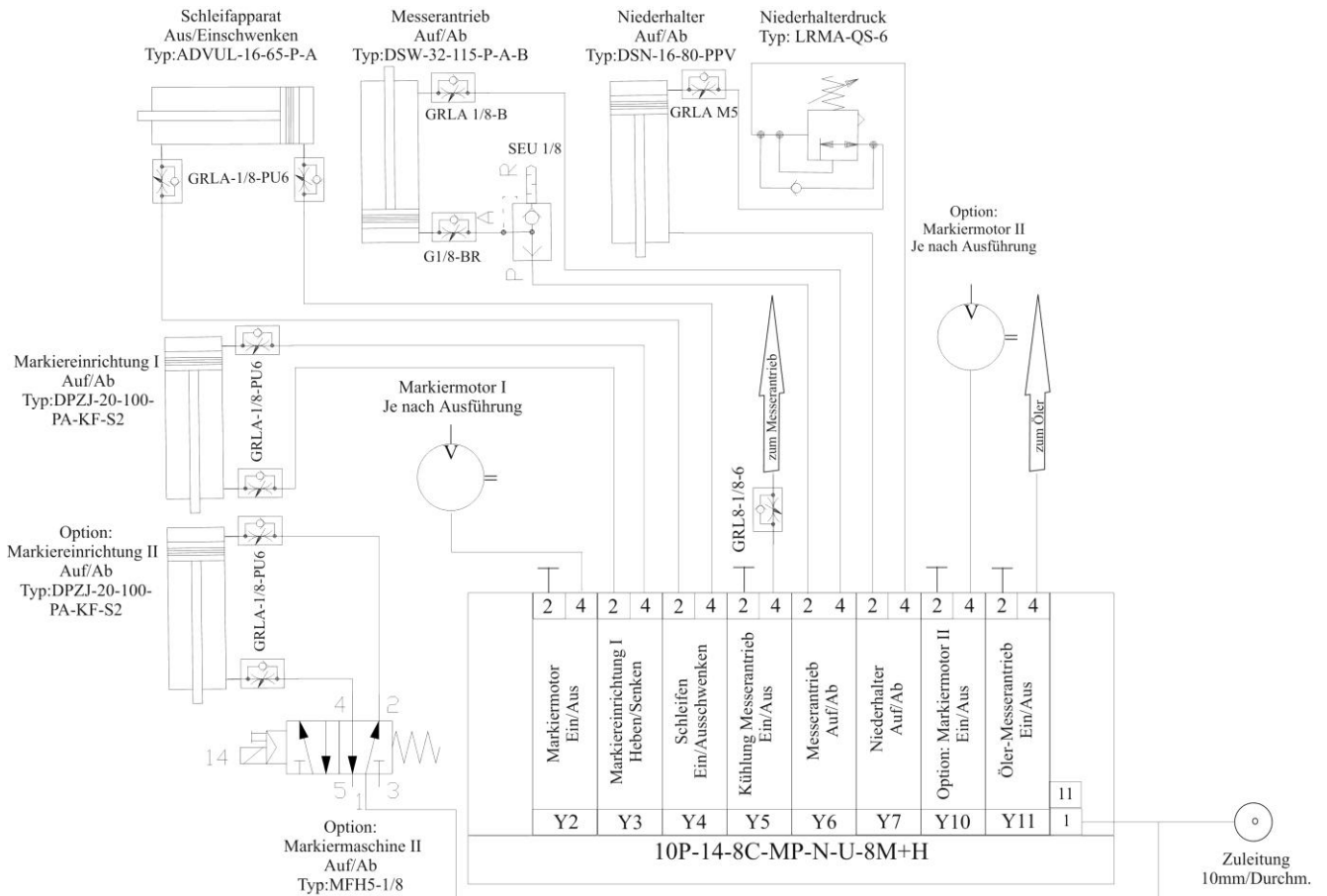
Vacuum pump >Siemens<



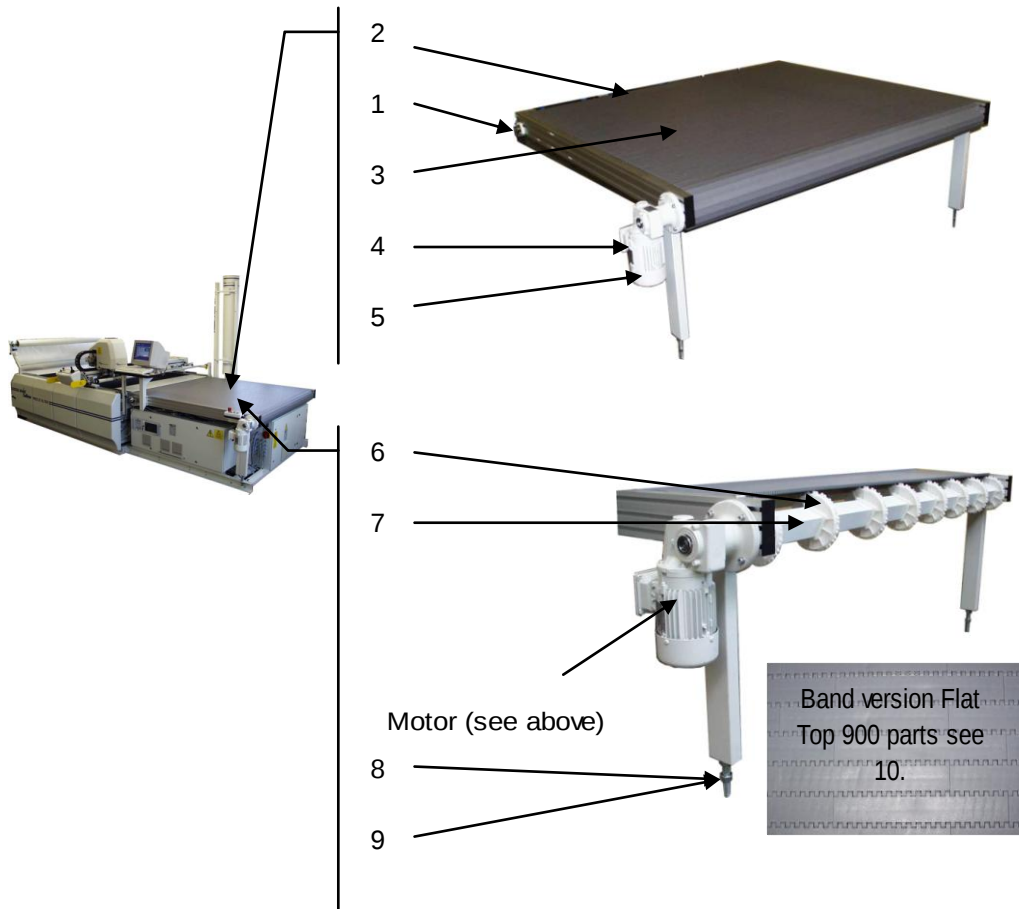
Pos.:	Item.:	Description:	Quantity:
		Vacuum pump >Siemens<	
2	054838	Reduction RCFU-160-100	1
3	054839	T-piece TVU 45°-160-100	1
4	054837	Throw sleeve MF-160	1
5	059359	Tube SR DN 100	1
6	059210	Pipe bend 100mm 85°	1
7	060071	Pipe bend BPU-45°-100	1
8	054839	T-piece TVU 45°-160-100	1
9	060000	Sleeve MF 100	1
10	059359	Tube SR DN 100	1
11	059348	Pipe bend 100mm 40°	1
12	054835	Tube SR 160	1
13	059210	Pipe bend 100mm 85°	1
14	058236	Elmo-G V-Pump with PTC 50Hz 380-420V; 60Hz 440-480V	1
o.A.	059366	Metall adhesive tape No 4500	1

Pneumatic Plan

(Related ID. numbers in the assemblies)



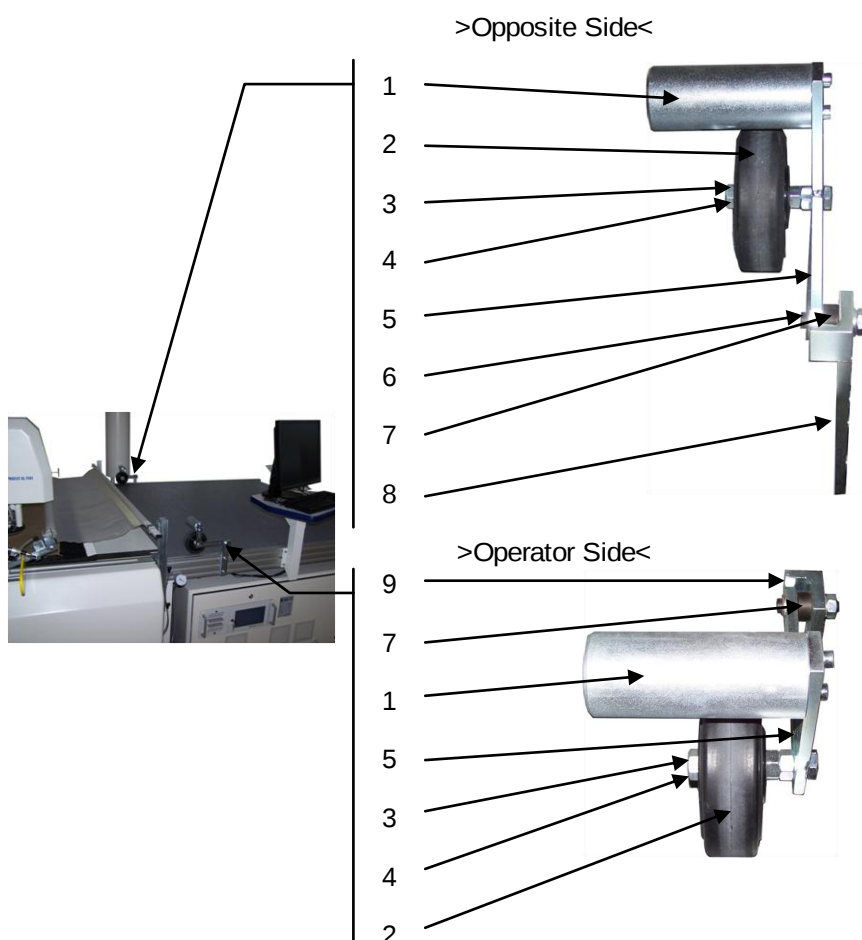
Clearing Conveyor Transclear



Pos.:	Item.:	Description:	Quantity:
1	011104	Flangebearing FLCTE 25	2
2	089004	Deflection shaft	1
o.A.	089091-AB	Clear strip working wide declare	1
3	061726	Plastic Link Belt B: 1754 mm	m
3	061894	Plastic Link Belt B: 1956 mm	m
3	061988	Plastic Link Belt B: 2159 mm	m
3	061895	Plastic Link Belt B: 2353 mm	m
3	061989	Plastic Link Belt B: 2555 mm	m
4	060102	Motor SK 1S50AF-71 L/4 TW	1
5	053363	Motor 32.6 MB2-HL50DO/SP10-FRED90L20-4	1
6	058048	Gear S900 154x60 Z18 P	8
7	088998	Shaft	1
8	089050	Table leg Mover	2
9	089048	Table leg Stationary	2
10	062341	Foreland modul 51mm wide	1
10	062342	Foreland modul 102mm wide	1
10	062343	Centre modul 152mm wide	1

Pinch roller Transclear

complete. Item:105071



Pos.:	Item.:	Description:	Quantity:
1	104494	Weight	2
2	059752	Heavy load rollers	2
3	103144	Bolt	2
4	054067	Hexagon nut DIN562-M8	2
5	104274	Lever verz.	2
6			2
7	105005	Bush	2
8	104273	Holder left	1
9	105070	Holder right	1

