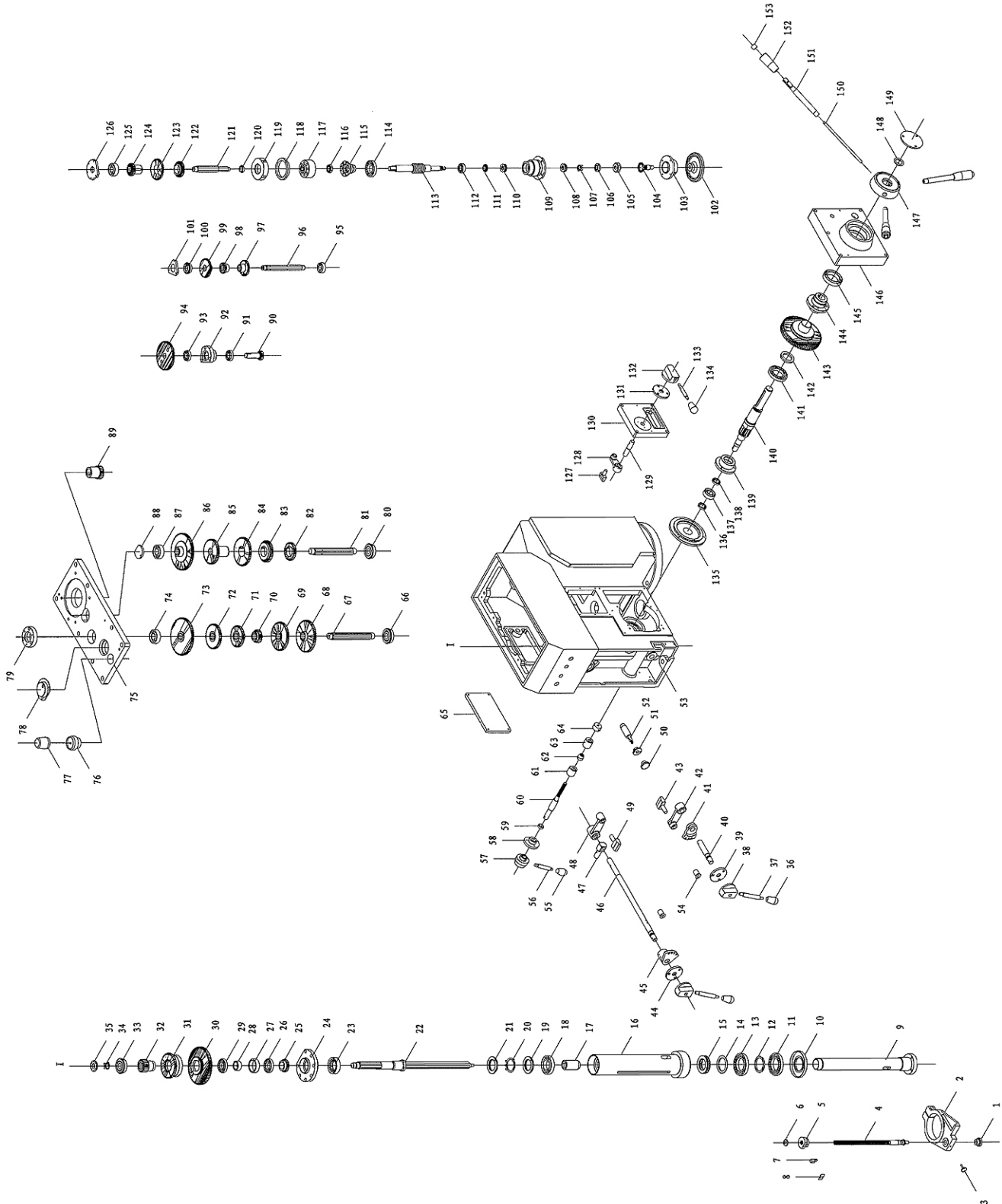


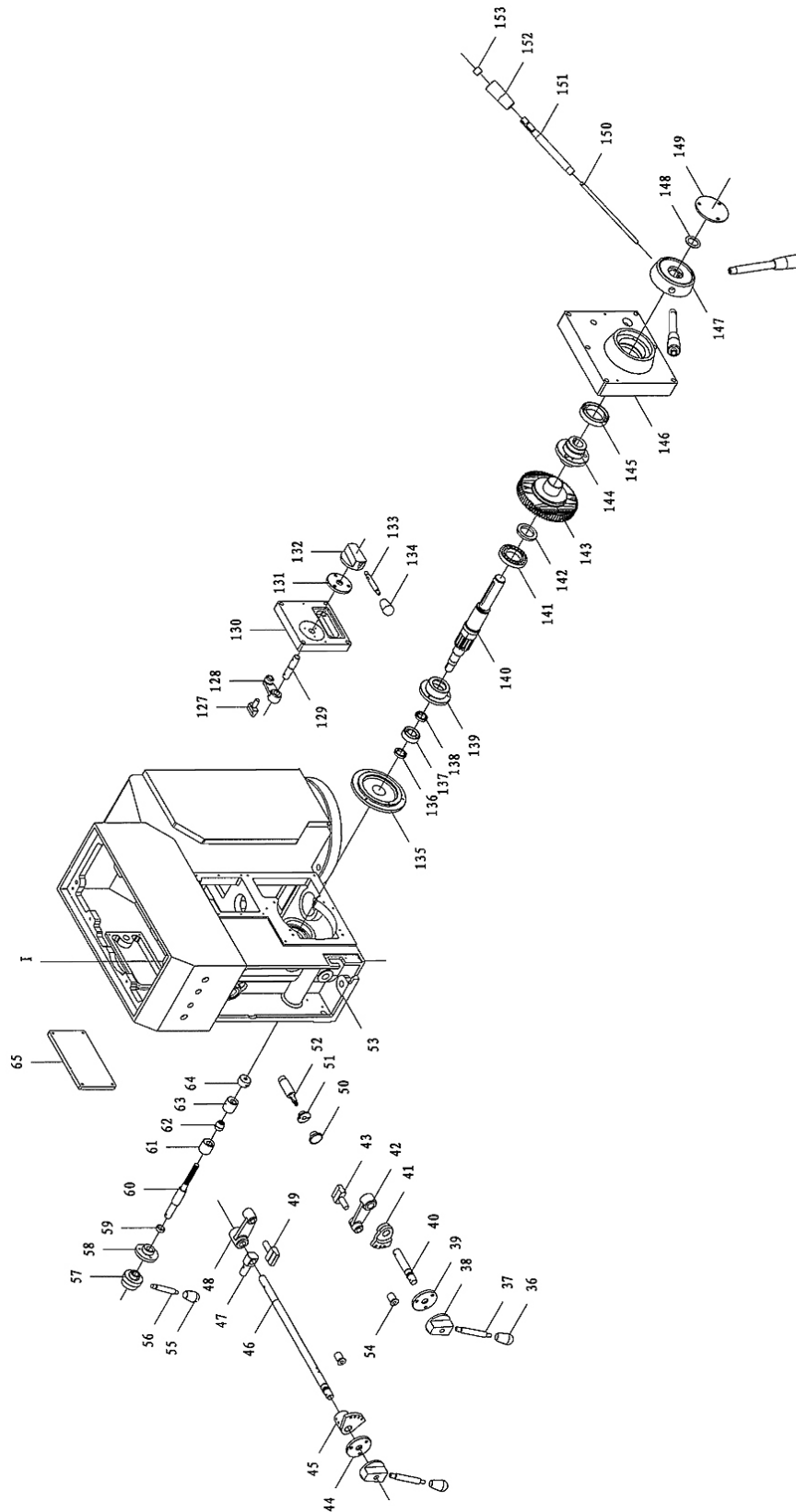


DRILL HEAD PARTS DIAGRAM



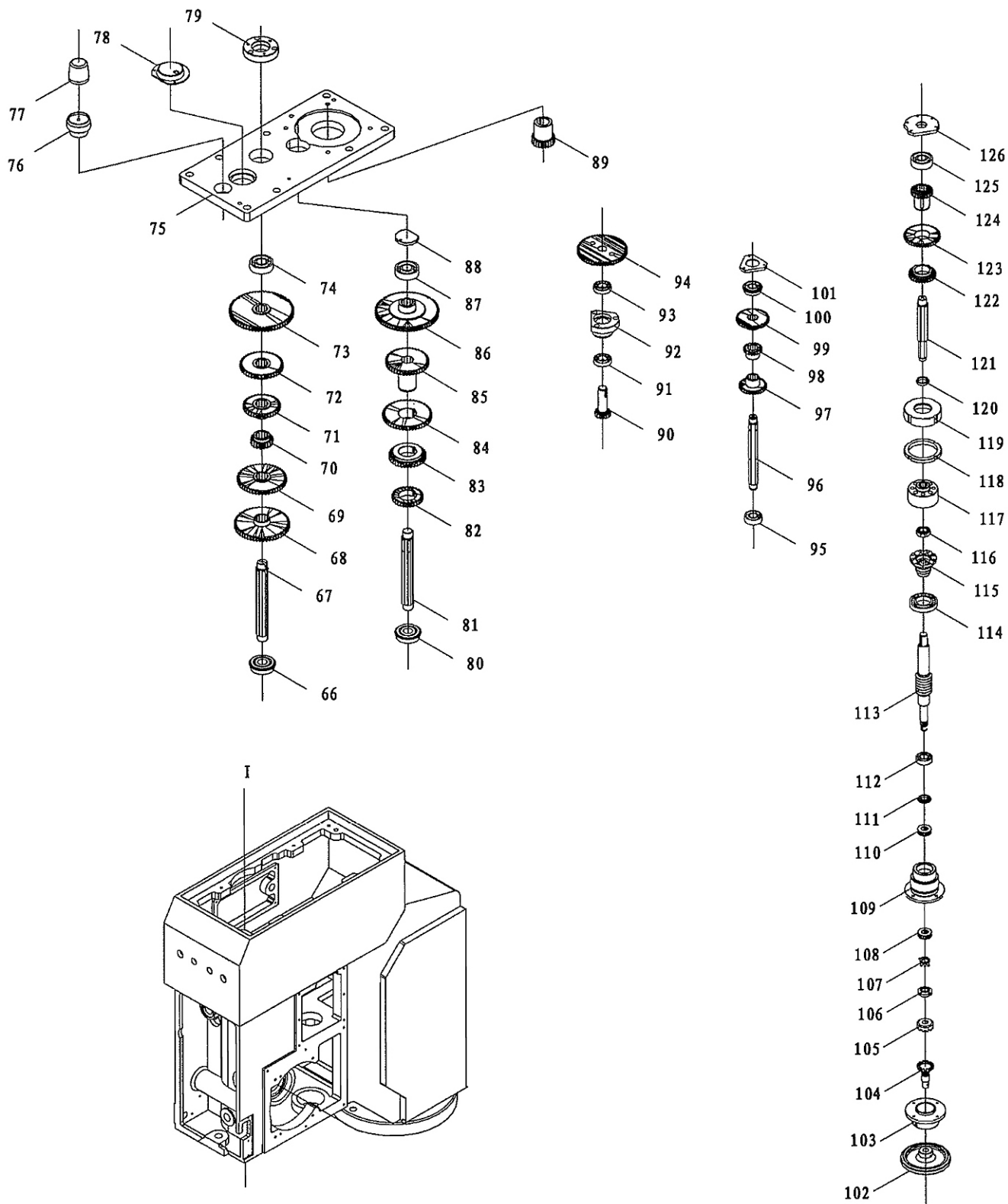


Detail 1



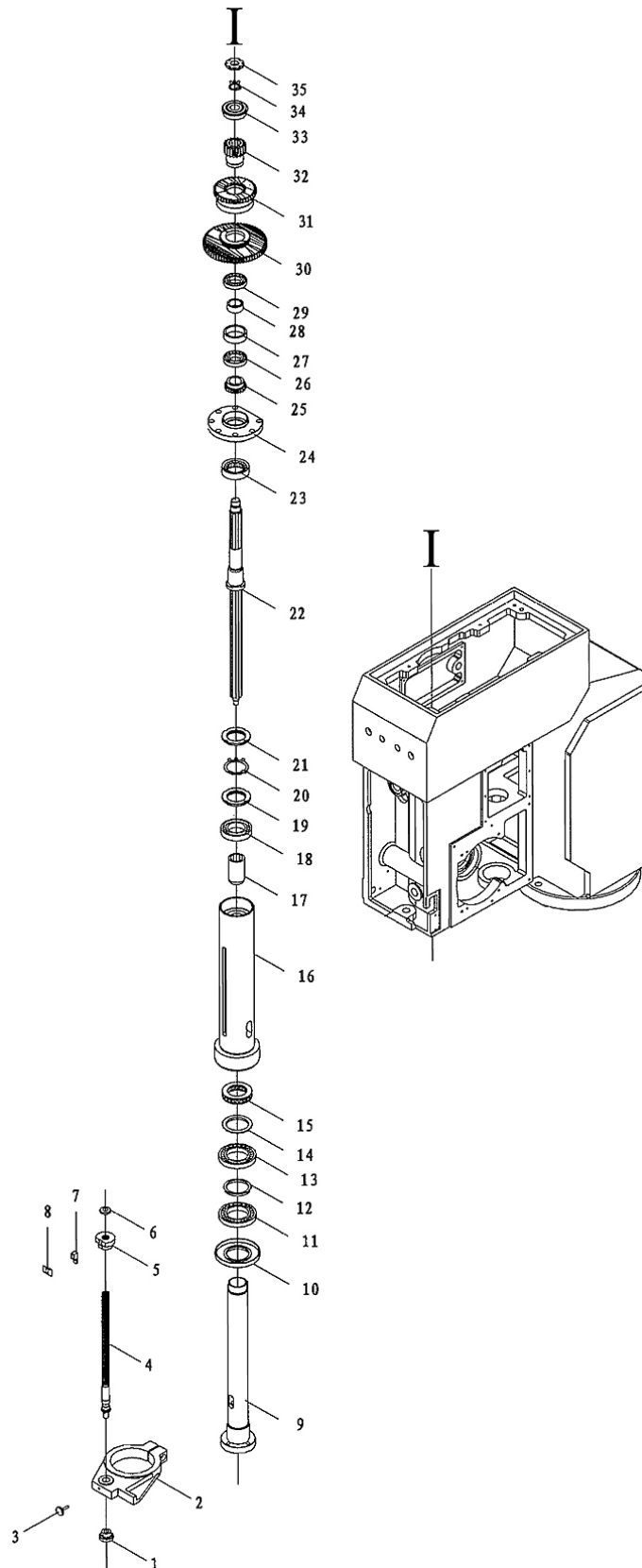


Detail 2





Detail 3





Drill Head Parts List

Item	Part No.	Description	Qty.
1	32001/ZS5030	Knurled knob	1
2	31002/ZY5035	Scale clasper	1
3	32002/ZS5030	Knurled screw bolt	1
4	32001/ZY5035A	Scaled bolt	1
5	31001/ZY5035A	Scaled nut	1
6	32005/ZS5030	Position block	1
7	32004/ZS5030	Support for the indicator	1
8	35001/ZS5030	Scaled indicator sheet	1
9	32030/ZY5035	Main spindle	1
10	32003/ZY5035	Bearing cover	1
11	D16009;GB/T276	Bearing	1
12	32002/ZY5035	Washer	1
13	D16009;GB/T276	Bearing	1
14	32001/ZY5035	Washer	1
15	8108;GB/T301	Bearing	1
16	32031/ZY5035	Spindle quill	1
17	32005/ZY5035	Spline quill	1
18	D61908;GB/T276	Bearing	1
19	32006/ZY5035	Nut	1
20	32007/ZY5035	Washer	1
21	32006/ZY5035	Nut	1
22	32032/ZY5035	Transmission shaft	1
23	32006;GB/T297	Bearing	1
24	32039/ZY5035	Bearing cover	1
25	32041/ZY5035	Feed gear	1
26	16005;GB/T276	Bearing	1
27	32010/ZY5035	Ring separate outside	1
28	32009/ZY5035	Ring separate inside	1
29	16005;GB/T276	Bearing	1
30	32011/ZY5035	Gear	1
31	32012/ZY5035	Gear	1
32	32013/ZY5035	Gear	1
33	6204N;GB/T276	Bearing	1



Item	Part No.	Description	Qty.
34	18;GB858	Washer	1
35	32011/ZY5050	Nut	1
36	1.222/40-M8/21101	Oval knob	2
37	32032/ZS5030	Hand lever	2
38	32031/ZS5030	Hand lever seat	2
39	32028/ZS5030	Washer	1
40	32068/ZY5035	Shaft	1
41	32069/ZY5035	Position tray	1
42	32012/ZY5035	Lever	1
43	34008/ZY5035	Block	1
44	32028/ZS5030	Washer	1
45	32067/ZY5035	Position tray	1
46	32066/ZY5035	Shaft	1
47	32065/ZY5035	Support block	1
48	31011/ ZY5035	Lever	1
49	34007/ZY5035	Block	1
50	BM8×32;GB4141.27	Knurled handle	1
51	32045/ZS5030	Bushing	1
52	32040/ZY5035	Position shaft	1
53	31001/ZY5035	Spindle box	1
54	32089/ZY5050	Position sleeve	2
55	1.222/30-M8/21101	Knob	1
56	32075/ZY5050	Handle	1
57	32076/ZY5050	Hand seat	1
58	32056/ZY5035	Cover	1
59	32055/ZY5035	Adjusting washer	1
60	32054/ZY5035	Locked screw	1
61	32053/ZY5035	Locked sleeve (one)	1
62	32052/ZY5035	Quill	1
63	32051/ZY5035	Locked sleeve(two)	1
64	32064/ZY5035	Stop ring	1
65	31012/ZY5050	Cover	1
66	6204N;GB/T276	Bearing	1
67	32028/ZY5035	Spline shaft	1
68	32008/ZY5035	Gear	1



Item	Part No.	Description	Qty.
69	32027/ZY5035	Gear	1
70	32025/ZY5035	Gear	1
71	32021/ZY5035	Gear	1
72	32019/ZY5035	Gear	1
73	32017/ZY5035	Gear	1
74	6204;GB/T276	Bearing	1
75	31004/ZY5035	Spindle cover	1
76	32030/ZY5050	Oil device seat	1
77	35001/ZY5050	Oil device	1
78	32012/ZY5050	Cover	1
79	31004/ZY5050	Bearing cover	1
80	6204N;GB/T276	Bearing	1
81	32026/ZY5035	Spline shaft	1
82	32023/ZY5035	Gear	1
83	32022/ZY5035	Gear	1
84	32020/ZY5035	Gear	1
85	32018/ZY5035	Gear	1
86	32016/ZY5035	Gear	1
87	6204;GB/T276	Bearing	1
88	32014/ZY5035	Cover	1
89	32015/ZY5035	Gear	1
90	32037/ZY5035	Feed gear	1
91	16003;GB/T276	Bearing	1
92	32038/ZY5035	Bearing seat	1
93	16003/GB/T276	Bearing	1
94	32042/ZY5035	Feed gear	1
95	6202;GB/T276	Bearing	1
96	32033/ZY5035	Spline shaft (III)	1
97	32034/ZY5035	Feed gear	1
98	32035/ZY5035	Feed gear	1
99	32036/ZY5035	Feed gear	1
100	62002N;GB/T276	Bearing	1
101	32044/ZY5035	Bearing cover	1
102	B12×100;GB41414.20	Hand wheel	1
103	32067/ZY5050	Cover	1



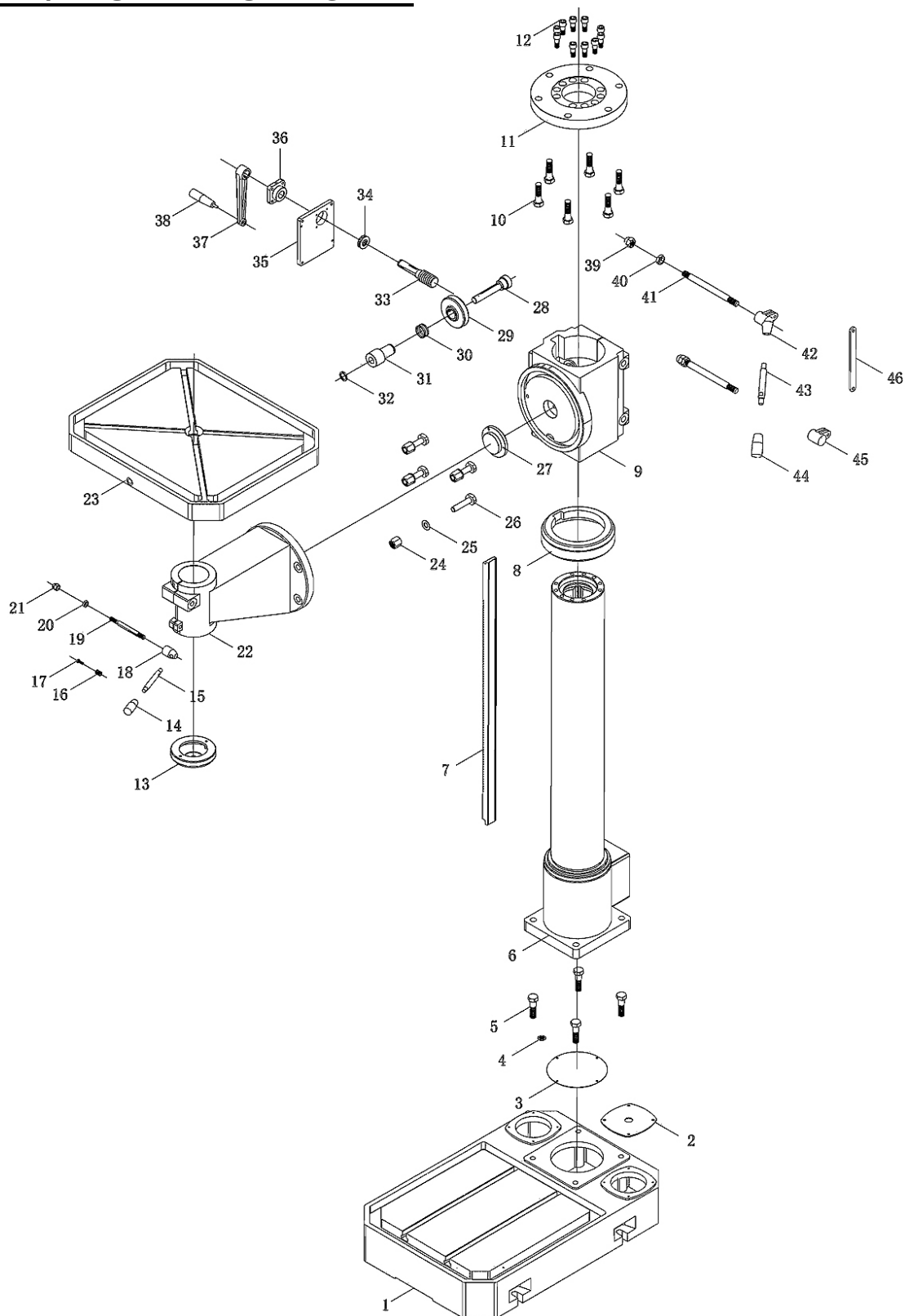
Item	Part No.	Description	Qty.
104	32068/ZY5050	Shaft	1
105	32069/ZY5050	Clutch	1
106	M14×1.5;GB812	Round nut	1
107	14;GB858	Washer	1
108	8102;GB301	Bearing	1
109	31007/ZY5050	Bearing seat	1
110	8102;GB301	Bearing	1
111	32066/ZY5050	Washer	1
112	102;GB276	Bearing	1
113	32064/ZY5050	Worm shaft	1
114	16006;GB/T276	Bearing	1
115	32050/ZY5035	Clutch seat(below)	1
116	61902;GB/T276	Bearing	1
117	32018/ZS5030A	Overload protection sleeve	1
118	32021/ZS5030A	Round nut	1
119	32020/ZS5030A	Round nut	1
120	32049/ZY5035	Washer	1
121	32045/ZY5035	Spline shaft(IV)	1
122	32048/ZY5035	Feed gear	1
123	32047/ZY5035	Feed gear	1
124	32046/ZY5035	Feed gear	1
125	6303;GB/T276	Bearing	1
126	32044/ZY5035	Bearing cover	1
127	34015/ZY5035	Lever bolck	1
128	31012/ZY5035	Fork lever	1
129	32070/ZY5035	Shaft	1
130	31013/ZY5035	Side cover	1
131	32071/ZY5035	Position block	1
132	32093/ZY5050	Handle seat	1
133	32038/ZS5030A	Hand lever	1
134	1.222/30-M8/21001	Handle	1
135	31007/ZY5035	Cover	1
136	32024/ZS5030	Washer for adjusting	1
137	6004;GB/T276	Bearing	1
138	32024/ZS5030	Washer for adjusting	1



Item	Part No.	Description	Qty.
139	32027/ZS5030	Bearing cover	1
140	32002/ZY5035A	Cross shaft	1
141	16008;GB/T276	Bearing	1
142	32004/ZY5035A	Washer for adjusting	1
143	31002/ZY5035A	Worm wheel	1
144	32003/ZY5035A	Sleeve	1
145	61909;GB/T276	Bearing	1
146	31003/ZY5035A	Feed side cover	1
147	32029/ZS5030A	Handle seat	1
148	32030/ZS5030A	Washer for adjusting	1
149	32031/ZS5030A	Pressed cover	1
150	32033/ZS5030A	Lever	3
151	32032/ZS5030A	Hand lever	3
152	35002/ZS5030A	Knob	3
153	35001/ZS5030A	Lever	3



COLUMN / BASE PARTS DIAGRAM





Column / Base Parts List

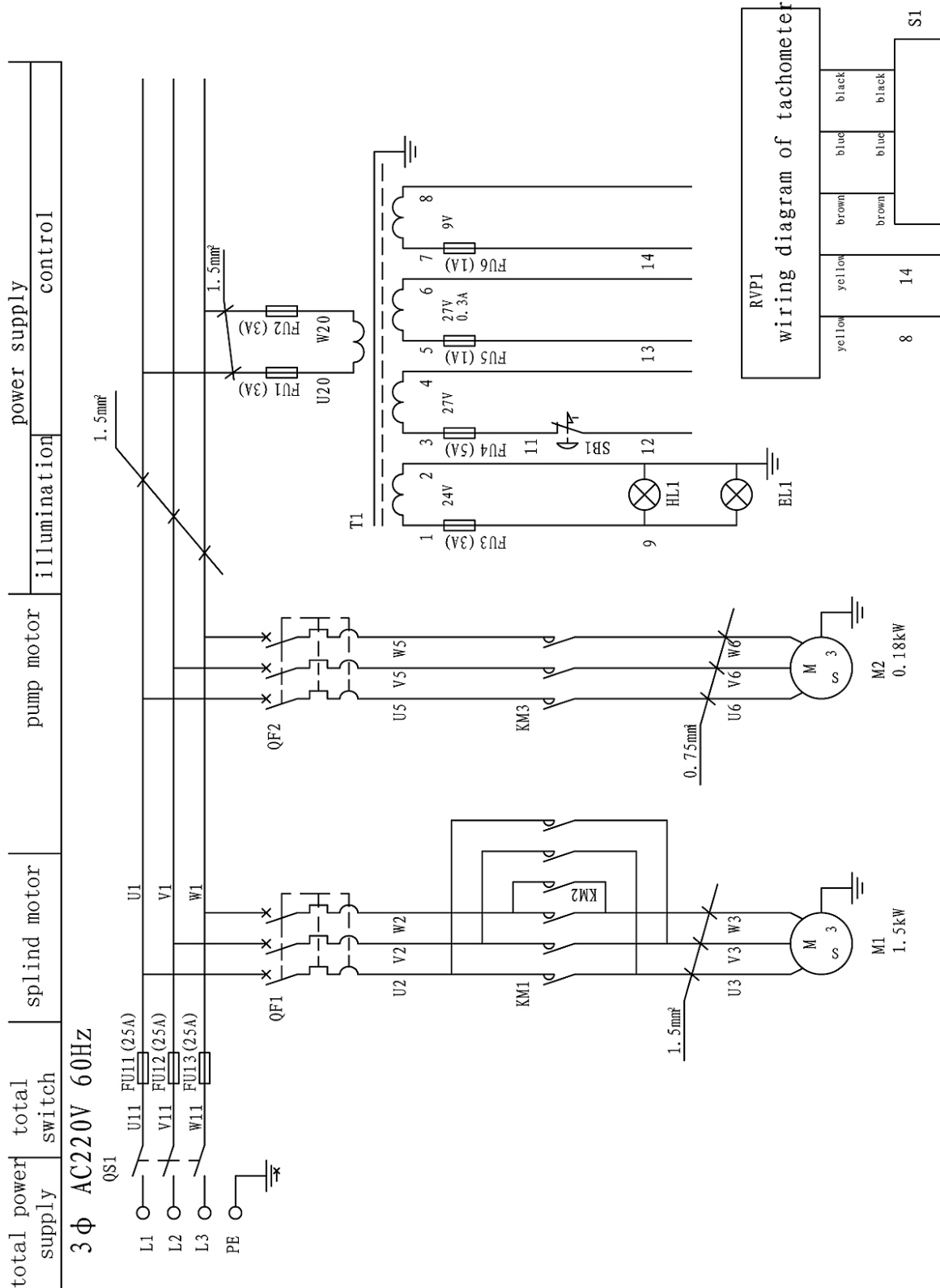
Item	Parts number	Description	Qty.
1	11002/ZY5035A-1	Base	1
2	12008/ZS5030	Cover board	1
3	12002/ZY5035	Cover	1
4	12001/ZS5030	Water strainer	1
5	M16*55;GB5782	Hexagon bolt	4
6	11004/ZY5035A-1	Column	1
7	12001/ZY5035	Rack	1
8	11003/ZY5035	Stop ring	1
9	11004/ZY5035	Up and down device	1
10	M16*55;GB5782	Hexagon bolt	6
11	11007/ZY5035	Connecting seat (above)	1
12	M12*30;GB70	Inner hexagon bolt	10
13	11001/ZY5050	Rind	1
14	M10x50;GB4141.14	Long hand quill	1
15	B-(D.L3.Cr)M10*80 GB4141.14	Long hand quill	1
16	12001/ZY5050	Hand lever	2
17	M6*25;GB5782	Hexagon bolt	2
18	B-(D.L3.Cr)M12*30 GB4141.16	Handle seat	1
19	12005/ZY5050	Double end bolt	1
20	M10;GB6172	Hexagon bolt	1
21	M10;GB923	Cover type nut	1
22	11003/ZY5035A-1	Bracket seat	1
23	11001/ZY5035A-1	Worktable	1
24	M14;GB56	Hexagon bolt	4
25	14;GB97.2	Washer	4
26	12005/ ZS5030	T type screw bolt	4
27	12010/ ZS5030	Positioning shaft	1
28	12016/ZY5050	Shaft	1
29	12017/ZY5050	Worm wheel	1
30	11015/ZY5050	Sleeve	1
31	12015/ZY5050	Gear	1
32	12014/ZY5050	Washer	1
33	12006/ZY5035	Up and down worm lever	1

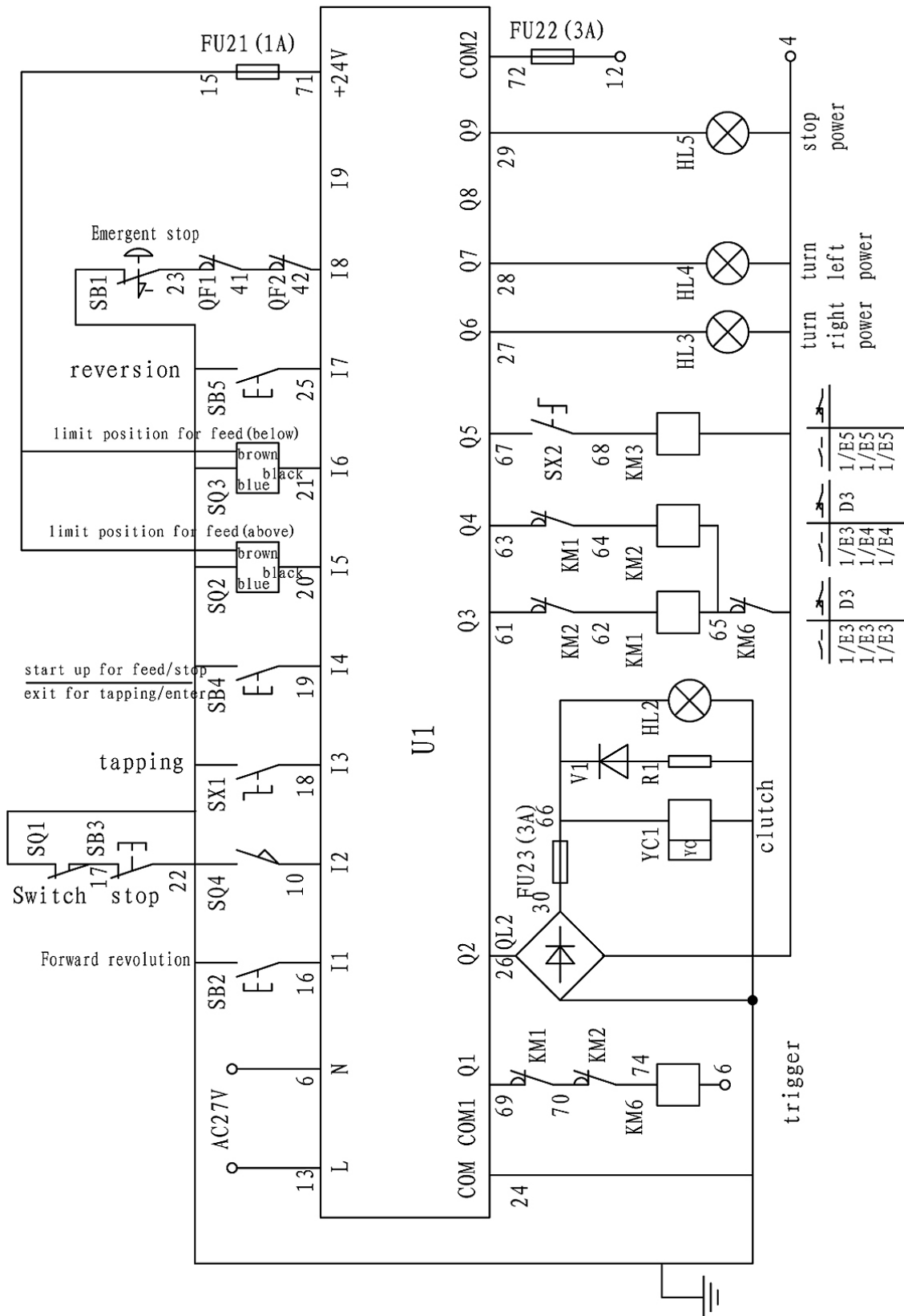


Item	Parts number	Description	Qty.
34	8104;GB301	Bearing	1
35	11008/ZY5035	Up and down side cover	1
36	11009/ZY5035	Bushing	1
37	11010/ZY5035	Up and down hand lever	1
38	(D.Cr)M10*80;GB4141.5	Lever for turning	1
39	M16; GB923	Cover type nut	2
40	M16; GB6172	Hexagon bolt	2
41	12004/ZY5035	Double end bolt	2
42	11005/ ZY5050	Clamping main nut	1
43	B-(D.Cr)M12x100; GB4141.15	Hand lever	1
44	M12x60; GB4141.14	Long lever quill	1
45	11004/ZY5050	Clamping nut	1
46	12003/ZS5035	Connecting board for bracket	1



ELECTRICAL SCHEMATIC





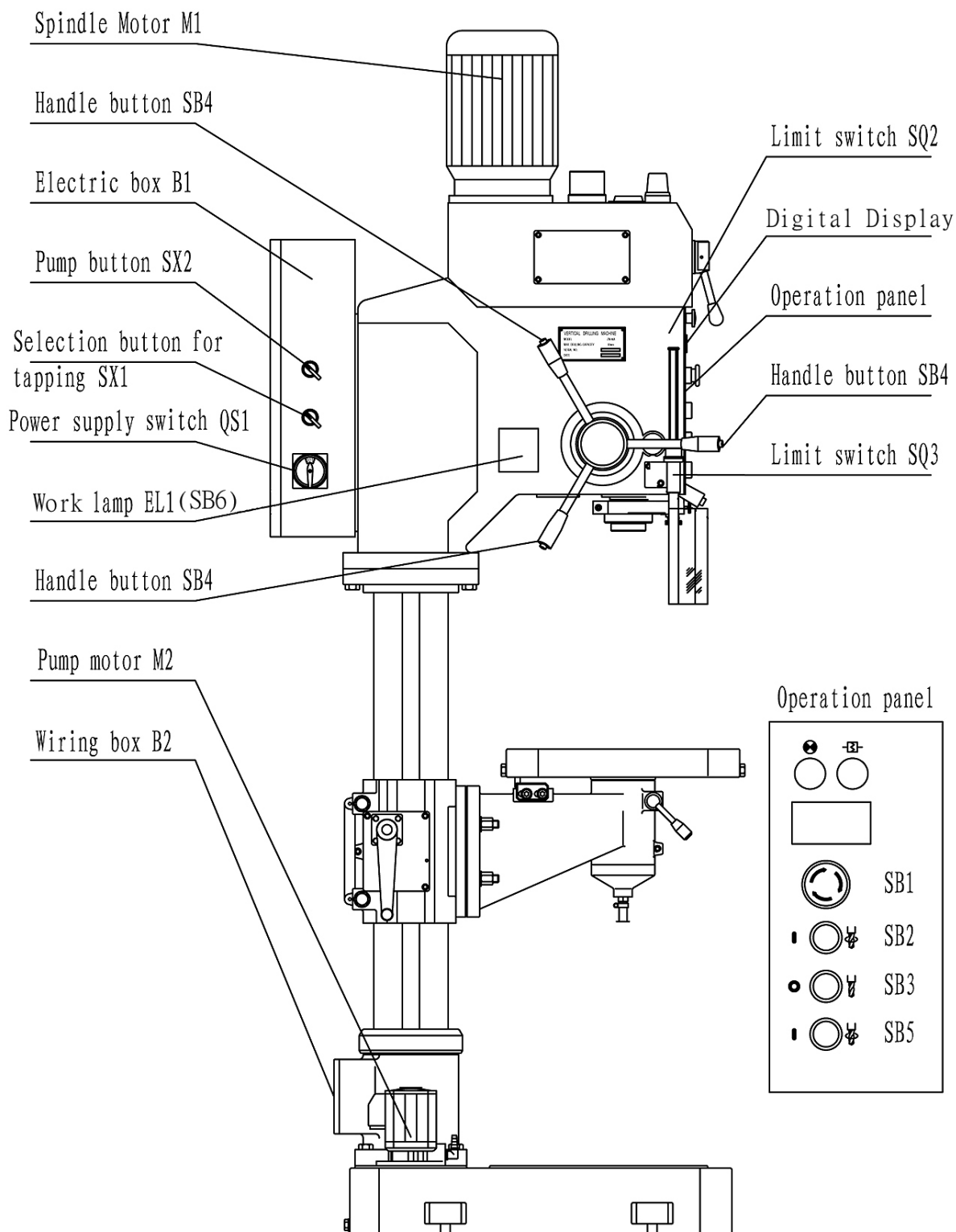


ELECTRICAL COMPONENTS

Item	Description	Specification	Qty.
QF1	Breaker	MS116-6.3	1
QF2	Breaker	MS116-1.0, MS116-0.63/1A	1
QS1	Instruction switch	JCH13-20	1
SX1, 2	Selection switch	C2SS2-10B-10	2
SB1	Emergency stop button	MPMT3-10R, MCBH-00, MCB-01	1, 1, 2
SB2, SB5	Push button	GQ22-11E/G/24V/S	2
SB3	Push button	GQ22-11E/R/24V/S	1
SB4	Push button		1
SQ1	Micro switch	LXP1-020-0A	1
SQ2, SQ3	Proximity Switch	TL-Q5MC1	2
SQ4	Door switch	JWM6-11A	1
KM1-5	Contactor	A12-30-01 (AC24V)	5
HL1	Single for power	GQ16T-D/LW/24V/S	1
HL2	Single for clutch	GQ16T-D/L/G/24V/S	1
EL1	Illuminating light	AC24 V,25W	1
T1	Transformer	JBK5-160TH 220/24,27,27,9	1
R1	Resistor	RT 2W62Ω	1
V1	Diode	IN5404	1
U1	Micro-electronic Multifunctional Relay	WJ1-9/ 9FA	1
RVP1	Tachometer	RSD-28	1
FU11-FU13	Fuse	25A	3



ELECTRICAL COMPONENT LOCATION





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