



WOOD WORKING SERIES

High precision arbor
H6 standard,
Ovality deviation <0.005MM.

Rare alloy steel plate
Patented YB09 steel plate
with 5 kinds of rare metal elements
enables 3 times anti- resistance.

Ultra-high-pressure treatment
Patented technology:
72 hours of continuous heat treatment,
more uniform and tighter steel plate structure,
natural leveling surface.

Big data based test for tension
Tension inspection based on big data,
precise tension value for each saw blade.

German welding technology
Tooth firmness and durability:
German Gerling welding machine,
German Umicore sandwich solder.

Precision grinding
Multi-sided and multi-wheel fine grinding craft:
grinding on 6 sides by 6 types of different grinders.

Balanced polishing technology
Patented Technology:
Balanced polishing technology.

Chengdu KWS Precision Cutting Tool Co., Ltd

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Tel: 0086-28-85829492

Email: sale@kwsawblade.com

Address: No. 19 Hengsheng Road, Dayi Economic Dev. Zone, East Shaqu Town, Dayi County, Chengdu, Sichuan, China



Super Duty Dowel Drill Bit



Machine: CNC machining center, multi-boring machine
Application: Solid wood, MDF, chipboard
Feature: High-grade carbide with protective coating for enhanced durability

Stock: ● Yes ○ No

No.	D	L	R	K5+
1	8	80	L/R	●
2	9	80	L/R	●
3	10	80	L/R	●
4	12	80	L/R	●
5	8	90	L/R	●
6	10	90	L/R	●
7	6	100	L/R	●
8	7	100	L/R	●
9	8	100	L/R	●
10	9	100	L/R	●
11	10	100	L/R	●
12	12	100	L/R	●

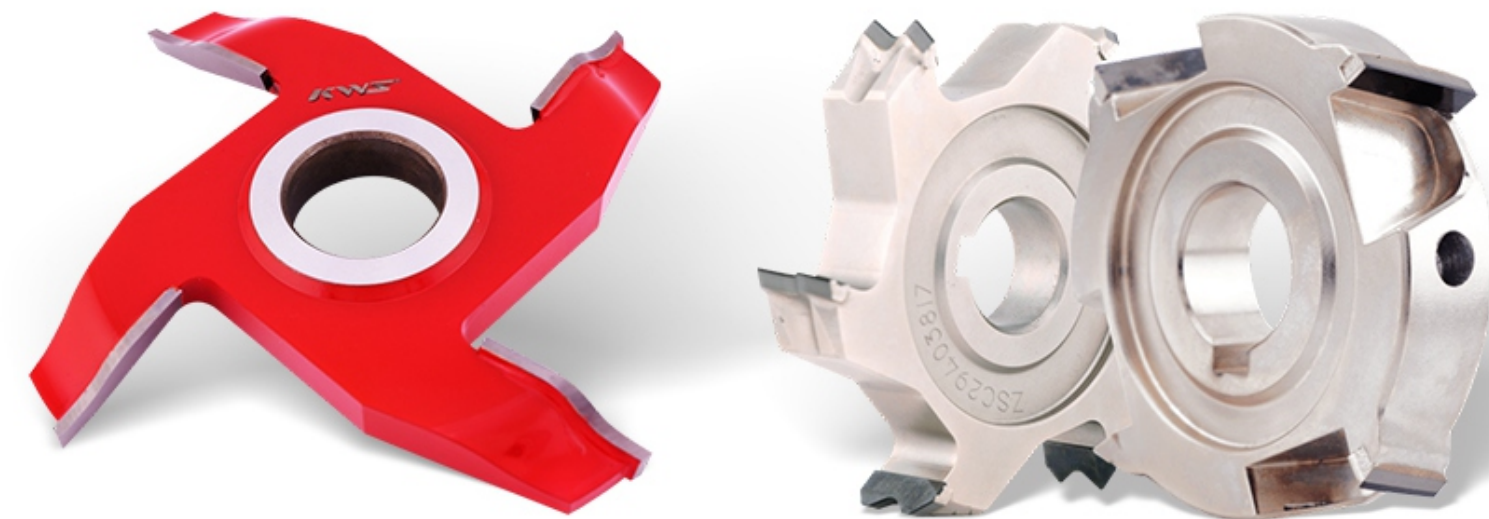
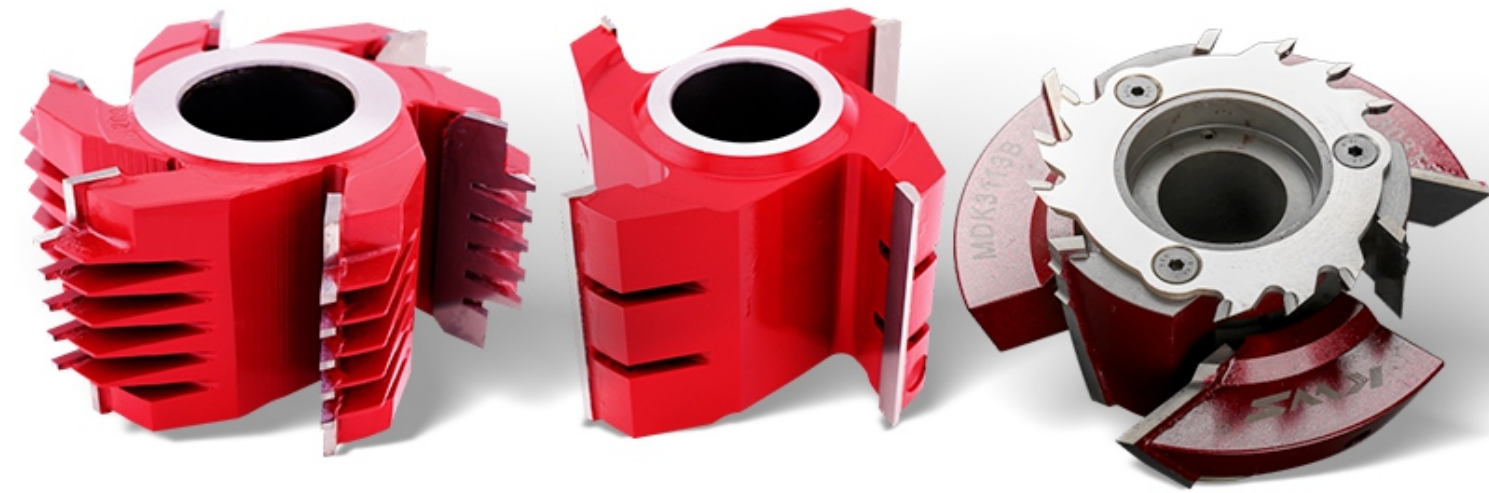
Hinge Boring Bit



Machine: CNC machining center, hinge boring machine, multi-spindle unit machine
Application: MDF, chipboard
Feature: Carbide inserts, highly durable, no splintering

Stock: ● Yes ○ No

No.	D	L	Z	R	K5+
1	15	57/70	4	L/R	●
2	16	70	4	L/R	●
3	17	70	4	L/R	●
4	18	70	4	L/R	●
5	19	70	4	L/R	●
6	20	70	4	L/R	●
7	21	70	4	L/R	●
8	22	70	4	L/R	●
9	25	70	4	L/R	●
10	30	70	4	L/R	●
11	35	70	4	L/R	●
12	38	70	4	L/R	●
13	40	70	4	L/R	●
14	45	70	4	L/R	●
15	50	70	4	L/R	●
16	55	70	4	L/R	●
17	60	70	4	L/R	●



[PROFILE CUTTER]

Panel Cutter



Material



Machine: Vertical milling machine, four side moulder

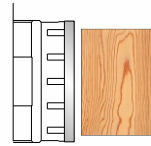
Application: Solid wood, MDF, Chipboard,

Feature: Chip conveyor design

Advantage: The processed surface is more smooth, long lifespan and endurance



Teeth Feature



No.	OD	ID	H	Z
1	90	35	40	4
2	90	35	50	4
3	90	35	60	4
4	90	35	70	4
5	90	35	80	4
6	90	35	90	4
7	90	35	100	4
8	90	35	120	4
9	125	40	40	4
10	125	40	60	4
11	125	40	80	4
12	125	40	100	4
13	125	40	120	4
14	125	40	40	6
15	125	40	60	6
16	125	40	80	6
17	125	40	100	6
18	125	40	120	6

Integrated Finger Joint Cutter

Material



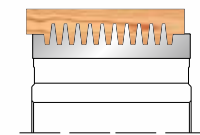
Machine: Vertical Milling machine, four-side moulder, finger joint machine

Application: Solid wood joint

Advantage: No gap, durable



Teeth Feature



No.	OD	ID	H	Z	Finger
1	125	40/35	28	4	1F
2	125	40/35	36	4	2F
3	125	40/35	44	4	3F
4	125	40/35	52	4	4F
5	125	40/35	60	4	5F
6	125	40/35	68	4	6F
7	125	40/35	76	4	7F
8	125	40/35	84	4	8F
9	125	40/35	92	4	9F
10	125	40/35	100	4	10F
11	125	40/35	116	4	12F

Half Round Cutter

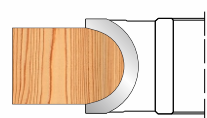


Material



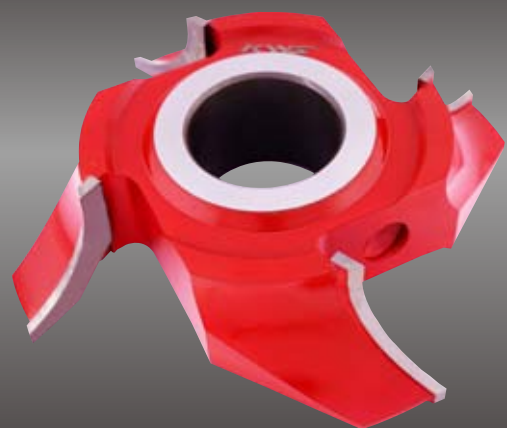
Machine: Vertical milling machine, four-side moulder
 Application: Solid wood, MDF or edge chamfering
 Feature: Small production tolerance

Teeth Featurer

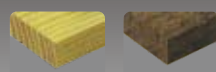


No.	OD	ID	R	Z
1	90	35	10	4
2	90	35	12	4
3	90	35	15	4
4	90	35	17.5	4
5	90	35	20	4
6	90	35	25	4

1/4 Corner Round Cutter



Material



Machine: Vertical milling machine, four-side moulder
 Application: Edge chamfer of wood, MDF
 Advantage: High quality alloy, more durable and longer lifespan

Teeth Featurer

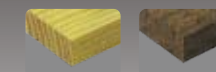


No.	OD	ID	R	Z	Shape
1	90	35	12	4	R
2	90	35	15	4	R
3	90	35	18	4	R
4	90	35	20	4	R
5	90	35	22	4	R
6	90	35	25	4	R
7	90	35	30	4	R
8	90	35	35	4	R
9	90	35	40	4	R

Grooving Cutter

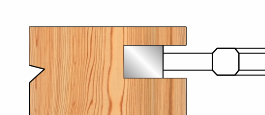


Material



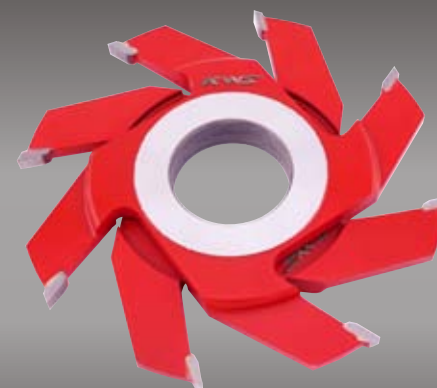
Machine: Vertical milling machine, four-side moulder
 Application: Solid wood, MDF, chipboard etc
 Advantage: High quality alloy, perfect chip conveyor design

Teeth Featurer

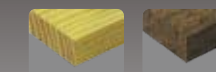


No.	OD	ID	Thickness	Z
1	125	35	3.0	6
2	125	35	4.0	6
3	125	35	5.0	6
4	125	35	6.0	6
5	125	35	7.0	6
6	125	35	8.0	6
7	125	35	9.0	6
8	125	35	10.0	6
9	125	35	12.0	6

Adjustable Grooving Cutter

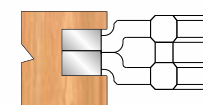


Material



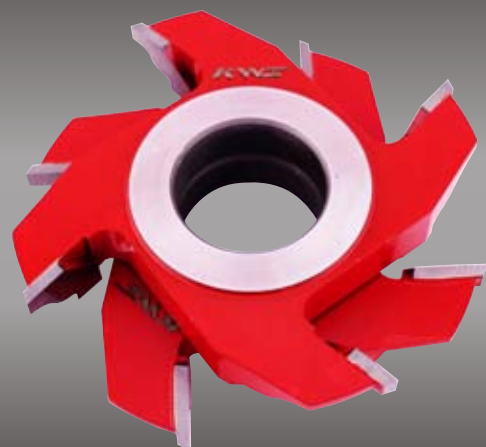
Machine: Vertical milling machine, four side moulder
 Application: Wood processing
 Advantage: Combination design, great flexibility.
 The required groove width can be adjusted according to requirements

Teeth Featurer



No.	D	d	H	Z
1	130	35	6	4
2	130	35	8	4
3	130	35	10	4

Cabinet Door Cutter

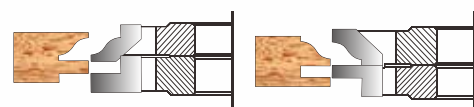


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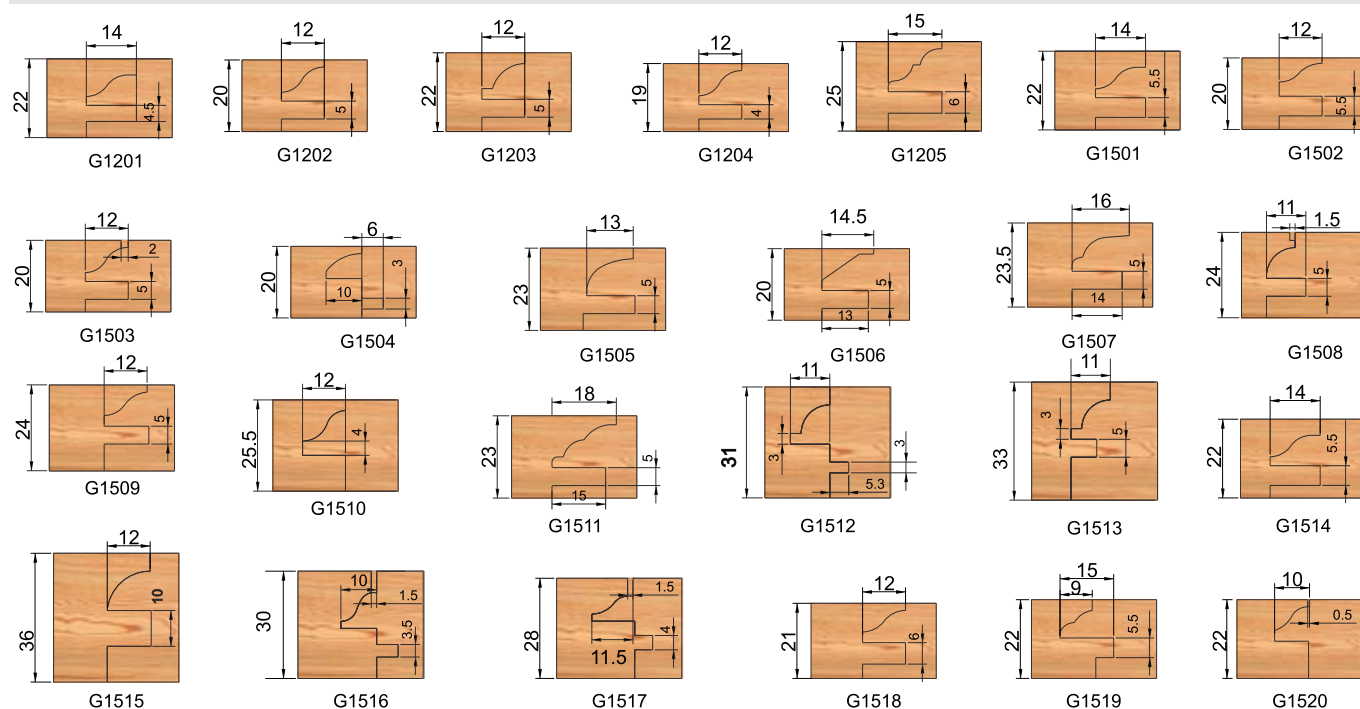


Machine: Vertical milling machine, processing center
 Application: Solid wood, door frame
 Design: Two blades or four blades as combination
 Advantage: Easy to adjust the mating of tenon and groove

Teeth Featur

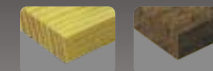


No.	OD	ID	R	Z	SPECIFICATION
1	114	15.2	35	4	G1502(4cutters/Set)
2	114	16	35	4	G1204(4cutters/Set)
3	114	16.5	35	4	G1202(4cutters/Set)
4	114	17	35	4	G1518(4cutters/Set)
5	114	17.5	35	4	G1203(4cutters/Set)
6	115	17	35	4	G1509(4cutters/Set)
7	118	15	35	4	G1201(4cutters/Set)
8	118	17.5	35	4	G1514(4cutters/Set)
9	118	18	35	4	G1501(4cutters/Set)
10	119	17.2	35	4	G1506(4cutters/Set)
11	120	15.3	35	4	G1519(4cutters/Set)
12	120	20	35	4	G1205(4cutters/Set)
13	122	18	35	4	G1507(4cutters/Set)
14	126	18	35	4	G1511(4cutters/Set)



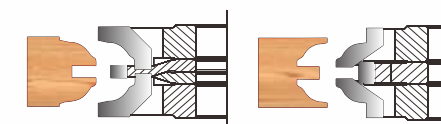
Door Frame Cutter

Material

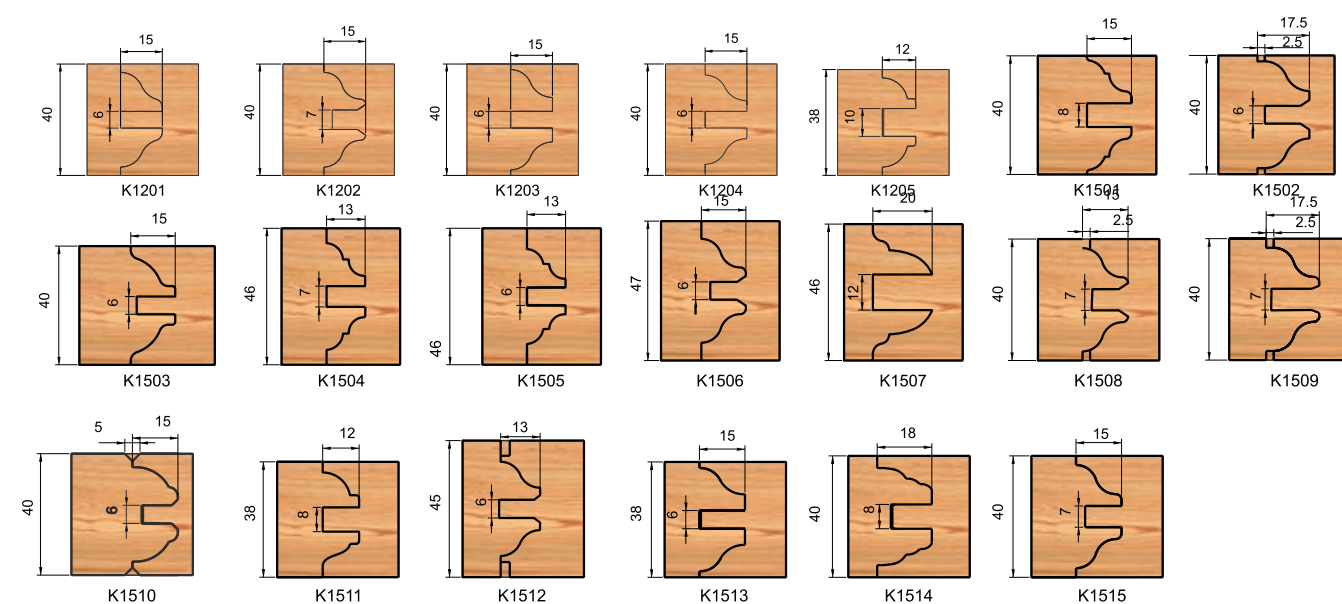


Machine: Vertical milling machine, four-side moulder
 Application: Solid wood, MDF
 Feature: 2 cutters or 7 cutters as combination
 Advantage: 7 blades combinations can make the linearity better coordinated

Teeth Featur



No.	OD	ID	R	Z	SPECIFICATION
1	112	23.8	35	4	K1504(7 cutters/Set)
2	114	22	35	4	K1511(7 cutters/Set)
3	114	29	35	4	K1205(7 cutters/Set)
4	116	22	35	4	K1505(7 cutters/Set)
5	117	10	35	4	K1512(7 cutters/Set)
6	120	19	35	4	K1204(7 cutters/Set)
7	120	20.5	35	4	K1506(7 cutters/Set)
8	120	21	35	4	K1203(7 cutters/Set)
9	120	21	35	4	K1513(7 cutters/Set)
10	120	21	35	4	K1515(7 cutters/Set)
11	120	22.5	35	4	K1202(7 cutters/Set)
12	120	23.5	35	4	K1201(7 cutters/Set)
13	120	23.5	35	4	K1508(7 cutters/Set)
14	120	23	35	4	K1501(7 cutters/Set)
15	120	24	35	4	K1503(7 cutters/Set)
16	125	21	35	4	K1502(7 cutters/Set)
17	125	22.5	35	4	K1509(7 cutters/Set)
18	126	21	35	4	K1514(7 cutters/Set)
19	130	24	35	4	K1507(7 cutters/Set)



Door Plank Cutter

Material



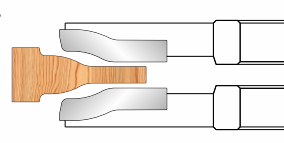
Machine: Vertical spindle milling machine, four-side moulder, double-end milling CNC machine.

Application: Processing solid wood.

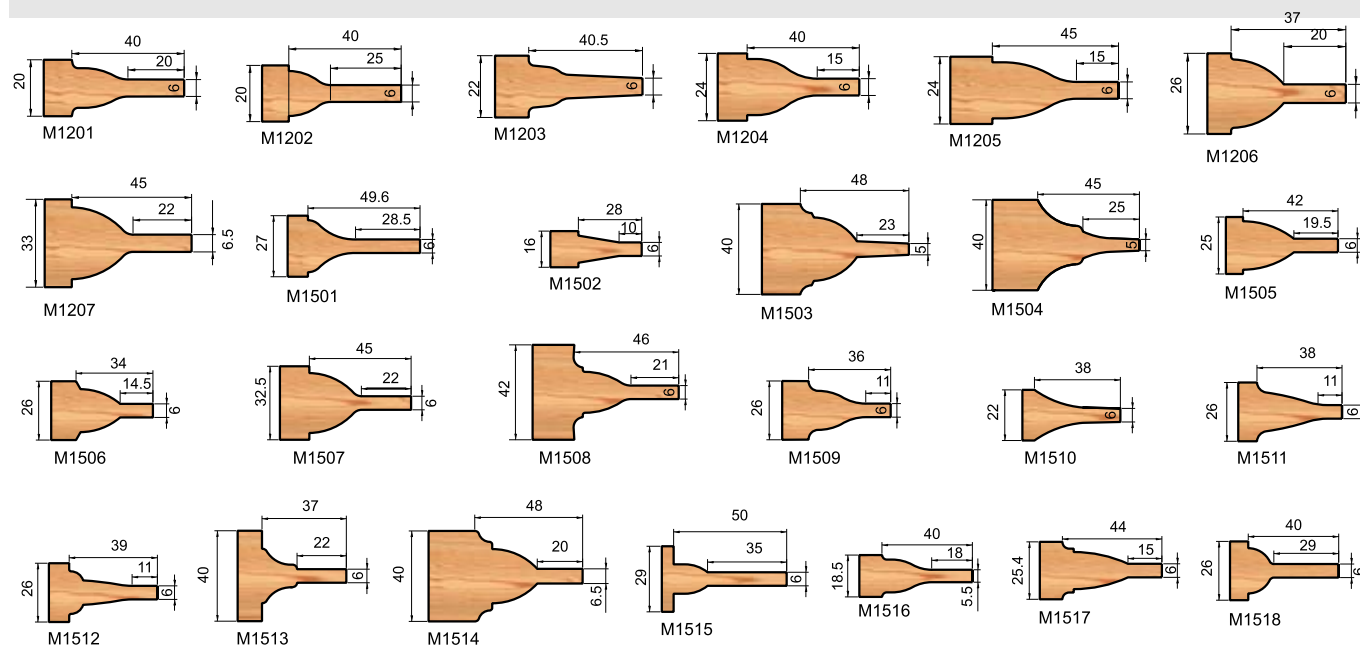
Feature: The upper and down cutters can be used together or separately, the cutting width is adjustable



Teeth Feature



No.	OD	ID	R	Z	SPECIFICATION
1	146	14.5	35	4	M1502(2 cut ters/Set)
2	162.6	15	35	4	M1509(2 cut ters/Set)
3	164	15	35	4	M1206(2 cut ters/Set)
4	165.2	15.3	35	4	M1511(2 cut ters/Set)
5	170	13	35	4	M1201(2 cut ters/Set)
6	170	15	35	4	M1202(2 cut ters/Set)
7	170	15	35	4	M1204(2 cut ters/Set)
8	171	13	35	4	M1203(2 cut ters/Set)
9	171.6	17	35	4	M1516(2 cut ters/Set)
10	172	18.5	35	4	M1510(2 cut ters/Set)
11	174	15.6	35	4	M1505(2 cut ters/Set)
12	180	14.5	35	4	M1205(2 cut ters/Set)
13	180	18.3	35	4	M1207(2 cut ters/Set)
14	180	18.3	35	4	M1507(2 cut ters/Set)
15	180.8	24.5	35	4	M1504(2 cut ters/Set)
16	182	16.5	35	4	M1506(2 cut ters/Set)
17	184	18	35	4	M1508(2 cut ters/Set)
18	186.2	22.5	35	4	M1503(2 cut ters/Set)
19	186.4	21.2	35	4	M1514(2 cut ters/Set)
20	190	15.5	35	4	M1515(2 cut ters/Set)
21	190	16.5	35	4	M1501(2 cut ters/Set)
22	190	17	35	4	M1517(2 cut ters/Set)



Tenon Cutter

Material



Machine: Tenoning machine

Application: 45°, 90°, 135° tenon shaping on solid wood

Advantage: Replaceable saw blade design



No.	Specification	Saw blade	Machine
1	100°70°25°(Oblique blade)	Yes L	MAS MSZ2000
2	100°70°25°(Oblique blade)	Yes R	MASMSZ2000
3	112°30	Yes	QCM MX3810B
4	123°30	Yes	QCM MX3815C
5	130°30°(Oblique blade)	Yes	MAS MDK3113B1

Helical Cutter Block



Material



Machine: Vertical Milling machine, four-side moulder
 Application: Wood , MDF, HDF
 Advantage: High quality helix structure, inserts can be replaced high efficiency, silence



No.	OD	ID	Height	Z	Blade Angle	Type
1	90	35	60	6	30°	light duty
2	90	35	80	6	30°	light duty
3	90	35	100	6	30°	light duty
4	90	35	120	6	30°	light duty
5	100	35	60	6	30°	light duty
6	100	35	80	6	30°	light duty
7	100	35	100	4	30°	light duty
8	100	35	120	6	30°	light duty
9	125	40	60	6	30°	light duty
10	125	40	80	6	30°	light duty
11	125	40	100	6	30°	light duty
12	125	40	120	6	30°	light duty
13	125	40	150	6	37°	light duty
14	90	35	40	6	37°	heavy duty
15	90	35	60	6	37°	heavy duty
16	90	35	80	6	37°	heavy duty
17	90	35	100	6	37°	heavy duty
18	90	35	120	4	37°	heavy duty
19	90	35	130	6	37°	heavy duty
20	100	35/40	40	6	37°	heavy duty
21	100	35/40	60	6	37°	heavy duty
22	100	35/40	80	6	37°	heavy duty
23	100	35/40	100	6	37°	heavy duty
24	100	35/40	120	6	37°	heavy duty
25	125	40	60	6	37°	heavy duty
26	125	40	80	6	37°	heavy duty
27	125	40	100	6	37°	heavy duty
28	125	40	120	4	37°	heavy duty
29	125	40	150	6	37°	heavy duty
30	125	40	180	6	37°	heavy duty
31	125	40	200	6	37°	heavy duty
32	125	40	230	6	37°	heavy duty

TCT/PCD Edge Banding Cutter



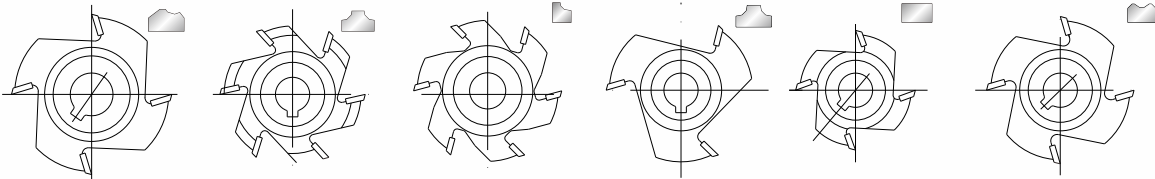
Material



Machine: Edge banding machine
 Application: Edge trimming for MDF, chipboard, plywood.,etc.
 Design: Standard R2/R3 with 4 blades or 6 blades
 Advantage: Good dynamic balance ensures straight cutting at high speed, sharp blade makes the edge of the cut boards smooth
 Remark: ODM/OEM is available



Teeth Featur



No.	OD	ID	H	Z	R/L
1	75	20	17	R2	L/R
2	75	20	17	R3	L/R
3	58	16	12		
4	56	16/20	14		
5	80	20	21	R2.5	
6	70	16	17		
7	60	16	11	R2	
8	60	16	11	R3	
9	68	16	16	R2	
10	68	16	16	R3	
11	69	16	13	R2/R3	
12	69	16	13	R2/R3	
13	69	20	13	R2	
14	75	20	17	R2	
15	75	20	17	R3	

[FINGER JOINT CUTTER]

Finger Joint Cutter



Machine: Joint machine, vertical milling comb machine
Application: Wood jointing
Advantage: Easy installation, sharp, precise, durable



Stock: ☒ Yes ☐ No

No.	D	d	T	Z	H	K5+
1	160	40/50/70	9.0	2	12mm	☒
2	160	40/50/70	4.0	2	12mm	☒
3	250	50	4.0	6	9mm	☒
4	250	50	4.0	6	12mm	☒





[KINFE & BLADE]

HSS Planer Knife



Machine: Planing machine, double-side planer, thicknesser

Features:

- 1. High-grade quality of raw materials
- 2. High stability, easy cutting, and better trimming
- 3. Super hard & longer lifespan
- 4. High efficiency
- 5. Application: Solid wood



Stock: ☒ Yes ☐ No

No.	H	W	LH	K5
1	3	25	80	☒
2	3	25	90	☒
3	3	25	100	☒
4	3	25	120	☒
5	3	25	200	☒
6	3	25	210	☒
7	3	25	250	☒
8	3	25	260	☒
9	3	25	300	☒
10	3	25	310	☒
11	3	25	400	☒
12	3	25	410	☒
13	3	30	80	☒
14	3	30	90	☒
15	3	30	100	☒
16	3	30	120	☒
17	3	30	200	☒
18	3	30	210	☒
19	3	30	250	☒
20	3	30	260	☒
21	3	30	300	☒
22	3	30	310	☒
23	3	30	400	☒
24	3	30	410	☒
25	3	30	430	☒
26	3	30	450	☒
27	3	30	500	☒
28	3	30	600	☒
29	3	30	630	☒
30	3	30	640	☒
31	3	35	400	☒
32	3	35	500	☒
33	3	40	400	☒
34	3	40	500	☒
35	4	40	400	☒
36	4	40	500	☒
37	6	38	610	☒
38	6	38	640	☒

Carbide Inlaid Planer Knife



Machine: Planing machine, double-side planer, thicknesser
Features:

1. High-grade quality of raw materials
2. High stability, easy cutting, and better trimming
3. Super hard & longer lifespan
4. High efficiency
5. Application: Solid wood



Stock: ☒ Yes ☐ No

No.	H	W	LH	CW	K5
1	3	25	80	10	☒
2	3	25	90	10	☒
3	3	25	100	10	☒
4	3	25	120	10	☒
5	3	25	200	10	☒
6	3	25	250	10	☒
7	3	25	260	10	☒
8	3	30	80	10	☒
9	3	30	90	10	☒
10	3	30	100	10	☒
11	3	30	120	10	☒
12	3	30	200	10	☒
13	3	30	250	10	☒
14	3	30	300	10	☒
15	3	30	400	10	☒
16	3	30	300	10	☒
17	3	30	300	10	☒

Indexable Carbide Knife



Machine: Edge banding machine

Application: MDF, chipboard edge trimming, installed on the helical cutter block

Feature: Easy disassembly, high precision



Stock: ☒ Yes ☐ No

No.	H	W	LH	R	K5
1	7.5	12	1.5		☒
2	9.6	12	1.5		☒
3	12	12	1.5		☒
4	14	14	2	30°/37°	☒
5	15	12	1.5		☒
6	15	15	2.5	30°/37°	☒
7	15	15	2.5	R50/R100/R150	☐
8	20	12	1.5		☒
9	22	19	2		☒
10	30	12	1.5		☒
11	30	12	1.5		☒
12	30	12	1.5-4-1.5	5°	☐
13	40	12	1.5		☒
14	50	12	1.5		☒
15	60	12	1.5		☒
16	20	12		2R2/R3	☒
17	16	17.5		2R2/2R3	☒
18	16	17		2R2L/2R3R	☒
19	16	17		2R3L/2R3R	☒



[GRINDING WHEEL]

Grinding Wheel



Feature: Wear resistance, high efficiency, time and effort saving

Stock: ☒ Yes ☐ No

No.	size	OD	d	wide	THK	3000	3000(ALU)
1	PDX	80	13	8	1	☒	☒
2	PDX	100	13	7	1	☒	☒
3	PDX	100	16	8	1	☒	☒
4	PDX	100	20	7	1	☒	☒
5	PDX	125	13	9	1	☒	☒
6	PDX	125	16	9	1	☒	☒
7	PDX	125	25	9	1	☒	☒
8	PDX	125	32	9	1	☒	☒
9	PDX	150	32	9	1	☒	☒
10	D1	125	32	10	4	☒	☒
11	D2	100	20	5	3	☒	☒
12	D2	125	32	5	3	☒	☒
13	Hook Angle	125	12	32	1	☒	☒
14	Top Angle	125	32	6	6	☒	☒