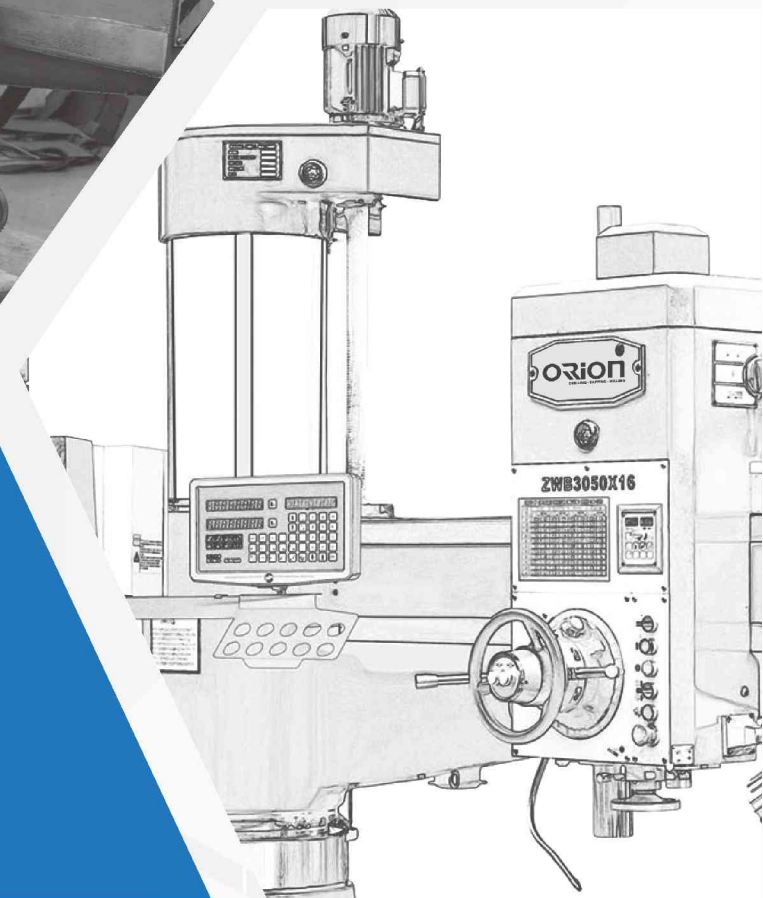


# HEAVY DUTY MECHANICAL AND ELECTRICAL PRODUCT



## Choice Series

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**INDOTARA**

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## ZW4116

Intelligent High Efficiency Bench Drilling Machine

**NEW**



Model	ZW4116	
Max. Drilling capacity	mm	16
Max. Tapping capacity	mm	M10
Max. Spindle travel	mm	135
Spindle taper		MT2
Diameter of column	mm	70
Spindle speed	r/min	300-3000 300-2500
Rotate angle of worktable along column		360°
Rotate angle of head along column		360°
Distance spindle axis to column surface	mm	193
Availability working area of worktable	mm	250 x 250
Availability working area of base	mm	300 x 300
Max. Distance spindle nose to table	mm	590
Max. Distance spindle nose to base	mm	805
Max. torque	N m	16
Main motor power	kW	1.5KW
Feed motor power	W	\
Feed speed rate	mm/min	\
N.G/G.W.	kg	145/165
Max. external dimension	mm	640 x 450 x 1370
Packing dimension	mm	730 x 500 x 1180

## ZWB4116

Intelligent High Efficiency Auto-feed Drilling Machine

**NEW**



Model	ZWB4116	
Max. Drilling capacity	mm	16
Max. Tapping capacity	mm	M10
Max. Spindle travel	mm	135
Spindle taper		MT2
Diameter of column	mm	70
Spindle speed	r/min	300-3000 300-2500
Rotate angle of worktable along column		360°
Rotate angle of head along column		360°
Distance spindle axis to column surface	mm	193
Availability working area of worktable	mm	250 x 250
Availability working area of base	mm	300 x 300
Max. Distance spindle nose to table	mm	590
Max. Distance spindle nose to base	mm	805
Max. torque	N m	16
Main motor power	kW	1.5KW
Feed motor power	W	90W
Feed speed rate	mm/min	20-204
N.G/G.W.	kg	145/165
Max. external dimension	mm	640 x 450 x 1370
Packing dimension	mm	730 x 500 x 1180



## BENCH STRONG DRILLING MACHINE

### Z4132G

• **Standard accessories**

- Taper sleeve
- Eyelet bolts
- Drill chuck
- Arbor
- Drift



### Z4006G Bench Strong Drilling Machine



WORKTABLE UP/DOWN MECHANISM

QUILL ORIENTATION MECHANISM

LED LIGHT

CONTROL FRONT PANEL

BELT ADJUST MECHANISM

Model		Z4132G	Z4120G/Z4116G	Z5032G/Z5032GP	Z4006G
Max. Drilling capacity	mm	φ 31.75	φ20 / φ16	φ31.75	φ6
Max. Tapping capacity	mm	M24 M20	M20/M16 M12/M10	M24 M20	/
Distance spindle axis to column line	mm	265	240/193	265	140
Spindle travel	mm	150	135/100	150	65
Max. Distance spindle nose to table	mm	390	365/330	820	/
Max. Distance spindle nose to base	mm	745	675/610	1235	215
Diameter of column	mm	100	85/70	100	55
Spindle speeds range	r/min	285~1875	320~1820/320~2730	280~1875	2000~12000
Spindle taper	/	MT3	MT2	MT3	B10
Dimension of worktable surface	mm	380 x 400	300 x 400 / 265 x 285	380 x 400/390/390	/
Motor	kW	1.5 (6P)	1.5 (6P)/0.75(4P)	1.5 (6P)	0.37(2P)
Net Weight	kg	225	170/145	310	55
Packing dimension	mm	1040 x 640 x 1510	890 x 560x 1400 850 x 540 x 1280	1040 x 640 x 2050	640 x 350 x 580



## BENCH STRONG AUTO-FEED DRILLING MACHINE

### ZB4132G/ZB4132GP

• **Standard accessories**

- Taper sleeve
- Eyelet bolts
- Drill chuck
- Arbor
- Drift



## ZB4116G/ZB4120G Bench Strong Drilling Machine



Model		ZB4132G/ZB4132GP	ZB4120G	ZB4116G	ZB5032G/ZB5032GP
Max. Drilling capacity	mm	φ31.75	φ20	φ16	φ31.75
Max. Tapping capacity	mm	M24 M20	M20 M16	M12 M10	M24 M20
Spindle travel	mm	150	135	100	150
Distance spindle axis to column line	mm	265	240	193	265
Max. Distance spindle nose to table	mm	390	366	330	820
Max. Distance spindle nose to base	mm	745	678	613	1235
Diameter of column	mm	100	85	70	100
Spindle speeds range	r/min	280~1875	320~1820	320~2730	280~1875
Max. Feed rate	mm/min	113	109	110	113
Spindle taper	/	MT3	MT2	MT2	MT3
Dimension of worktable surface	mm	380 x 400	300 x 320	265 x 285	380x400/390x390
Motor	kW	1.5	1.1	0.75	1.5
Net Weight	kg	238	183	153	310
Packing dimension	mm	1040 x 640 x 1510	990 x 590 x 1400	850 x 540 x 1280	1040 x 640 x 2050



## SERIES PREMIUM QUALITY DRILLING MACHINE & TAPPING MACHINE

### Z4120B1/Z4125B1

● **Character**

- The machine not only could drilling & milling but also tapping, it has multi function.
- Its no needs to reinstall the work piece to tapping after drilling.
- The proportion of capacity and piece are the best.



Model		Z4112B1/Z4116B1	Z4120B1/Z4125B1	ZS4112B1/ZS4116B1	ZS4120B1/ZS4125B1
Max. Drilling capacity	mm	φ12.7/ φ16	φ20/φ25	φ20/ φ16	φ20/ φ16
Max. Tapping capacity	mm	/	/	8/10 10/12	16/20 20/24
Spindle travel	mm	100	125	100	125
Distance spindle axis to column generating line	mm	193	240	193	240
Max. distance spindle nose to table	mm	262	299	261.5	299
Max. distance spindle nose to base	mm	500	560	502.5	334/560
Spindle taper	/	B16/MT2	MT2/MT3	B16/MT2	MT2/MT3
Spindle speeds range	r/min	480,800,1400, 2400,4100	365,560,1000, 1800,3150	480,800,1440, 2400,4100	290-2150
Spindle speeds series	/	5	5	5	6
Dimension of worktable surface	mm	200 x 230	280 x 300	200 x 230	280 x 300
Dimension of base	mm	280 x 260	315 x 335	280 x 260	315 x 335
Motor	W	550	1100	750	750/1100
Net weight	kg	90	140	90	140
Packing dimension	mm	800 x 450 x 1000	870 x 510 x 1090	800 x 450 x 1000	870 x 510 x 1090

### Z4120B1/Z4125B1



360 FREE ROTATE ADJUSTING  
FORTABLE



FEED HANDLE (STEEL MATERIAL)



LED LIGHT



QUILL ORIENTATION MACHINISM

### ZS4116B1

Series premium quality  
drilling machine and tapping machine



DUST PROOF MOTOR



SPINDLE HEAD RISE/ DOWN BY  
HANDLE





**SERIES ACCURACY  
BENCH DRILLING MACHINE**

**Z512-2D/Z516-2D**

• **Advantages of machine tools**

- Taper sleeve
- Eyelet bolts
- Drill chuck
- Arbor
- Drift



FEED HANDLE (STEEL MATERIAL)



LEED LIGHT



**Z512D/Z516D ,Z4120D/Z4125D**



QUILL ORIENTATION MECHANISM



NEW TYPE MOTOR



**Z512D/Z516D**



**Z4120D/Z4125D**

Model		Z512-2D/Z516-2D	Z512D/Z516D	Z4120D/Z4125D
Max. Drilling capacity	mm	12.7/16	12.7/16	20/25
Distance spindle axis to column generating line	mm	193	193	240
Spindle travel	mm	100	100	125
Diameter of column	mm	70	70	85
Max. Distance spindle nose to table	mm	332/326	315	367
Max. Distance spindle nose to base	mm	556/550	556	630
Dimension of worktable surface	mm	265 x 265	200 x 230	280 x 300
Dimension of base	mm	528 x 360	528 x 360	590 x 375
Spindle taper	/	B16/B18	B16/MT2	MT2/MT3
Spindle speeds range	r/min	480~4100	480~4100	365~3150
Power of motor	W	550	550	1100
Packing dimension	cm	77 x 42 x 96	80x45x95 / 77x42x96	83 x 47 x 104
Net wieght	Kg	90	90	140



**ZS SERIES  
DRILLING & TAPPING MACHINE**

**ZS4112D/ZS4116D  
ZS4120D/ZS4125D**



• **Standard accessories**

Taper sleeve  
Drill chuck  
Wrench  
Arbor  
Drift

• **Special accessories**

Tapping chuck  
Safety guard  
vice

**ZS4112D/ZS4116D  
ZS4120D/ZS4125D**

**ZS Series Drilling & Tapping Machine**

• **ZS Drilling-Tapping machine Characters**

- Using famous electrical equipment, stable feature and everlasting.
- Change easily between drilling and tapping.
- Special spindle design and arbor make sure chuck connections.



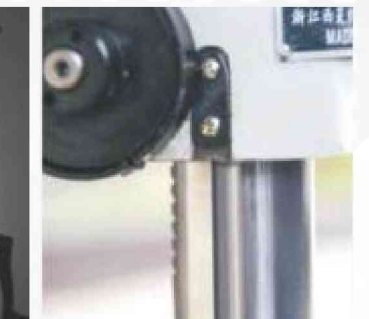
FEED HANDLE  
(STEEL MATERIAL)



BELT ADJUST MECHANISM



LED



QUILL ORIENTATION  
MECHANISM

Model		ZS4112D/ZS4116D	ZS4120D/ZS4125D
Max.drilling capacity	mm	D:12/T:M10/M8 D:16/T:M12/M10	D:20/T:M20/M16 D:25/T:M24/M2
Diameter of column	mm	70	85
Spindle travel	mm	100	125
Distance spindle axis to column generating line	mm	193	240
Max. Distance spindle nose to table	mm	315	297/367
Max. Distance spindle nose to base	mm	556	560/630
Spindle taper		B16/MT2	MT2/MT3
Spindle speeds range	r/min	480~4100	290~2150
Spindle speeds series		5	5
Dimension of worktable surface	mm	200 x 230	280 x 300
Dimension of base	mm	528 x 360	590 x 375
Overall height	mm	1037	1127
Power of motor	W	750	750/1100
G.W/N.W	kg	108/90	165/140
Packing dimension	cm	77 x 42 x 95	82 x 38 x 102



## ZQD SERIES LIGHT TYPE DRILL PRESS

### Character

- Light and flexible, it can be used not only on machine processing, repairing but also DIY repairing and daily use.



**ZQ4116D/ZQ4119D**  
**ZQD4125D/ZQD4132D**

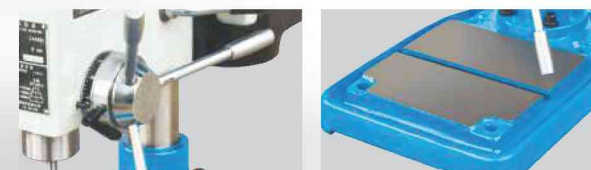
Model		ZQ4113D	ZQ4116D/ZQ4119D	ZQ4125D	ZQD4125D/ZQD4132D
Max. Drilling capacity	mm	13	16/19	25	25/31.5
Diameter of column	mm	70	70	85	85
Spindle travel	mm	85	85	110	110
Distance spindle axis to column generating line	mm	180	180	200	200
Max. distance spindle nose to table	mm	390	410	480	390
Max. distance spindle nose to base	mm	570	590	670	1140
Spindle taper		B16	MT2	MT3	MT3
Spindle speeds range	r/min	495~2565	270~2880	200~2280	200-2280 150~2270
Spindle speeds series		4	12	9/12	9/12
Dimension of worktable surface	mm	240x240 or $\varnothing$ 300	240x240 or $\varnothing$ 300	280x230 or $\varnothing$ 356	280x280 or $\varnothing$ 360
Dimension of base	mm	445 x 270	445 x 270	566 x 356	556 x 356
Overall height	mm	960	960	1110	1680
Power of Motor	W	370	370/550	750	750
G.W/N.W	kg	68/65	68/65	105/98	115/108
Packing dimension	cm	91 x 51.5 x 27	91 x 51.5 x 27	108 x 77 x 34	108 x 77 x 34

## HIGH-SPEED ACCURACY BENCH DRILLING MACHINE

### Z406BD/Z406CD

### Character

- Both spindle head, column and base using high quality cast iron, strong and everlasting.
- High precision with excellent feature, widely use at instrument and camera area.



Model		Z406CD	Z406BD
Max. Drilling capacity	mm	6	6
Diameter of column	mm	50	50
Spindle travel	mm	65	65
Distance spindle axis to column generating line	mm	140	140
Max. distance spindle nose to table	mm	/	/
Max. distance spindle nose to base	mm	225	225
Spindle taper		B10	B10
Spindle speeds range	r/min	1400~5800	2000~12000
Spindle speeds series		3	3
Dimension of worktable surface	mm	/	/
Dimension of base	mm	380 x 258	380 x 258
Overall height	mm	605	605
Power of Motor	W	250	250/370
G.W/N.W	kg	48/38	48/38
Packing dimension	cm	61 x 30 x 54	61 x 30 x 54



## NEW TYPE SWJ-D SERIES TAPPING MACHINE

### SWJ-6D/SWJ-24D



Model		SWJ-6D	SWJ-24D
Max. Drilling capacity	mm	M6/M5	M24/M20
Spindle travel	mm	40	50
Distance spindle axis to column generating line	mm	127	198
Max. distance spindle nose to table	mm	245	545
Max. distance spindle nose to base	mm	375	760
Spindle taper	/	B12	B22
Dimension of worktable surface	mm	195 x 195	280 x 280
Power of motor	kW	0.37	1.1
G.W/N.W	kg	63/43	160/140
Packing dimension	cm	58 x 37 x 90	160 x 48 x 116

## SWJ-G SERIES TAPPING MACHINE

### SWJ-12G/SWJ-16G



Model		SWJ-12G	SWJ-16G
Max. Drilling capacity	mm	M12/M10	M16/M12
Spindle travel	mm	50	50
Spindle taper	/	B16	B18
Max. distance spindle nose to table	mm	365	339
Max. distance spindle nose to base	mm	543	543
Dimension of worktable surface	mm	260 x 260	265 x 265
Power of motor	w	550	750
N.W	kg	95	95
Packing dimension	cm	77 x 42 x 96	77 x 42 x 96



## GEAR TYPE TEETH DISTANCE TAPPING MACHINE

### SB6532/SB6516



**SB6532**  
Without stand

**SB6516**  
With stand

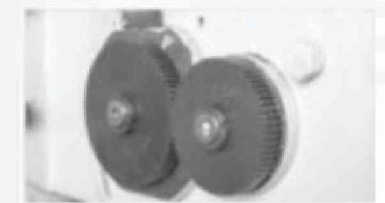
- **SB6532 Standard accessories**  
Tapping Chuck (M10-M30)  
Chang Gear P=1.5,P=1.75,  
P=2.0,P=2.5,P=3.0,P=3.5)  
Wrench

- **SB6532 Special accessories**  
Multi-spindles  
Stand  
vice

### SB6532A (Horizontal)

#### • Characters

- The machine's feeding is driving by the change gear, the feeding setup has the spring which eliminate clearance, it can extrusion the tap so it can make the hole's precision and purgation to the ideal requirement.
- The depth of tapping can adjusting by the depth knob, it's very precise.
- The machine use the fast changing tapping chuck, the tap is more easily to change. And clamp firmly.
- Main drive and feeding system have the rub clutches respectively, it can out off drive chain automatic when it suffered some balk, it can out off drive chain automatic when it suffered some balk, it can prevent the break.
- There is an urgent bottom at the most convenience place.
- One the cover of exchanging gear there has a safety device (open the door and cut off the electricity) it can ensure safety of the operator.
- In order to produce in bulk, the machine's electrical system can achieve the spindle feeding auto circulation and spot start single circulation.
- The machine adopt one screw distance per circle, feeding and with drawing automatic at synchronization, so it can tapping perfectible screw thread on kinds of usual material.



Model		SB6532	SB6516	SB632A
Max.drilling capacity	mm	M32	M16	M32
Diameter of column	mm	95	85	/
Spindle travel	mm	65	65	65
Distance spindle axis to column generating line	mm	252.5	257.5	/
Max. Distance spindle nose to base	mm	600	670	/
Spindle taper		MT3	MT3	MT3
Spindle speeds	r/min	80. 150. 280 (6P Motor or 120. 220. 240 (4P Motor)	250. 400. 590	80. 150. 280 (6P Motor or 120. 220. 240 (4P Motor)
Spindle speeds series		3	3	3
Dimension of base	mm	690 x 500	350 x 350	/
Spindle head travel	mm	450	405	/
Overall height	mm	1165	1110	/
Power of main motor	kW	1.5 (6P)/2.2(4P)	1.5	1.5 (6P)/2.2(4P)
Auto-feeding thread pitch for which suits machine		1.25/1.5/1.75/2.0/2.5/3.0/3.5mm 19/18/16/14/13/12/11/10/9/8/7TPI	1.00/1.25/1.5/1.75/2.0mm 16/14/13/11/10/9/8/7TPI	1.25/1.5/1.75/2.0/2.5/3.0/3.5mm 19/18/16/14/13/12/11/10/9/8/7TPI
G.W/N.W	kg	400/350 650/600	280/300	165/130
Packing dimension	cm	102 x 62 x 135 152 x 112 x 230	106.2 x 64 x 132	56 x 53 x 70



## GEAR TYPE TEETH DISTANCE TAPPING MACHINE

### SB408G/SB4516G

#### • SB408G

##### Standar accessoris

Chang Gear (P=0.5,P=0.7,P=0.8,P=1.0,P=1.25)  
Tapping Chuck (M3~M16)  
Wrench

#### • SB4516G

##### Standard accessoris

Chang Gear (P=0.5,P=0.7,P=0.8,P=1.0,P=1.25,P=1.5)  
Tapping Chuck (M3~M16)  
Wrench

#### • Special accesories

Multi-spindles  
Stand  
Vice



### SB4516A (Horizontal)

#### • Characters

- The machine's feeding is driving by the change gear, the feeding setup has the spring which eliminate clearance, it can extrusion the tap so it can make the hole's precision and purgation to the ideal requirement.
- The depth of tapping can adjusting by the depth knob, it's very precise.
- The machine use the fast changing tapping chuck, the tap is more easily to change. And clamp firmly.
- Main drive and feeding system have the rub clutches respectively, it can out off drive chain automatic when it suffered some balk, it can out off drive chain automatic when it suffered some balk, it can prevent the break.
- There is an urgent bottom at the most convenience place.
- One the cover of exchanging gear there has a safety device (open the door and cut off the electricity) it can ensure safety of the operator.
- In order to produce in bulk, the machine's electrical system can achieve the spindle feeding auto circulation and spot start single circulation.
- The machine adopt one screw distance per circle, feeding and with drawing automatic at synchronization, so it can tapping perfectible screw thread on kinds of usual material.



Model		SB408G	SB4516G	SB632A
Max.drilling capacity	mm	M8	(Cast Iron) M16 x 1.5 (Steel) M12 x 1.5	
Diameter of column	mm	56	56	/
Spindle travel	mm	45	45	45
Distance spindle axis to column generating line	mm	185	185	/
Max. Distance spindle nose to base	mm	370	370	/
Spindle taper		B16	B18	B18
Spindle speeds	r/min	360. 590. 960 (6P Motor or 540. 655. 1445 (4P Motor)	360. 590. 960 (6P Motor or 540. 655. 1445 (4P Motor)	360. 590. 960 (6P Motor or 540. 655. 1445 (4P Motor)
Spindle speeds series		3	3	3
Dimension of base	mm	460 x 310	460 x 310	/
Spindle head travel	mm	260	260	/
Overall height	mm	800	800	/
Power of main motor	kW	0.55 (6P)/7.5(4P)	0.55 (6P)/7.5(4P)	0.55 (6P)/7.5(4P)
Auto-feeding thread pitch for which suits machine		0.3/0.35/0.4/0.45/0.5/0.6/0.7/0.75/0.8/0.9/1.0/1.25/1.5mm 72/64/56/48/44/40/32/28/27/26/24/20/19/18/16TPI		
G.W/N.W	kg	130/105	130/105	75/65
Packing dimension	cm	73 x 48 x 110 91 x 58 x 172	73 x 48 x 110 91 x 58 x 172	56 x 53 x 70



## LEAD-SCREW AUTOMATIC TAPPING MACHINE

### SB8030

Multi-Spindles  
Special accessories



• **Standar accessoris**

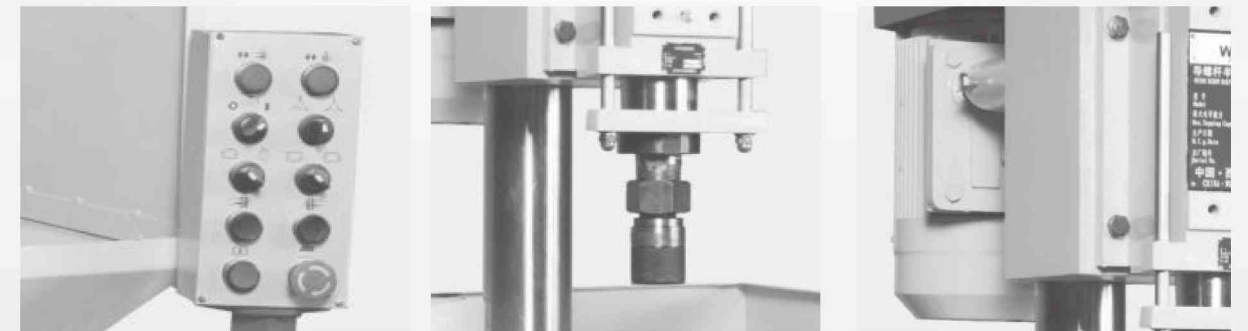
Tapping Chuck (M10-M30)  
One set of screw appointed  
Wrench

• **Special accessoris**

Multi-spindles  
Stand  
vice

• **Gear type teeth distance tapping machine characters**

- The machine's feeding is driving y the Lead screw, it can extrusion the tap so it can make the hole's precision and purgation to the ideal requirement.
- There is an urgent bottom at the most convenience place.
- In order to produce in bulk, the machine's electrical system can achieve the spindle seeding auto-circulation and spot start single circulation.
- The machine adpt one screw distance per circle, feeding and with drawing thread on kinds of usual material.



Model	SB8030	
Max. Drilling capacity	mm	M30
Diameter of column	mm	95
Spindle travel	mm	80
Distance spindle axis to column generating line	mm	282.5
Max. distance spindle nose to base	mm	680
Spindle taper		MT3 / ER32
Spindle speeds	r/min	Customer specified
Spindle speeds series		Designated or continuously variable
Dimension of base	mm	690 x 550
Spindle head travel	mm	430
Overall height	mm	2010
Power of main motor	kW	2.2
Auto - feeding thread pitch for which suits machine		0.7/0.8/1.0/1.25/1.5/1.75/2.0/2.5/3.0mm
G.W/N.W	kg	500/475
Packing dimension	mm	100 x 850 x 2100



## DRILLING MACHINE WITH OIL PRESSURE AUTOMATIC FEED UNIT

### OD-35

#### Special accessories



- ① Square multi-spindle
- ② Round multi-spindle



Oil pressure precision index plate



#### Character

- Spindle system: the spindle head is driven by oil pressure, which helps to smooth the feeding. The current control valve, which is very easy to handle, may help to adjust the feeding rate. Various spindle heads and tapping heads are available upon request.
- Oil hydraulic system: due to the vane pump with variable capacity, it is of low noise and low heat, and runs smoothly.
- The high current electromagnetic valve ensures its stable and smooth running.
- Electric control system: the main electric elements are Telemecanique (a France brand) elements. Made per international uniform standard, its compatibility and exchangeability are very high. The PLC is applied to the multi spindle system, with which, it is of low failure, easy maintenance and changeability.
- Various drilling heads and tapping heads are available upon request.
- Various air clamps, oil pressure clamps, air cylinders and oil cylinders are available upon request.



Model		OD-35
Max. Drilling capacity	mm	35
Diameter of column	mm	95
Spindle travel	mm	140
Distance spindle axis to column generating line	mm	282.5
Max. Distance spindle nose to table	mm	/
Max. Distance spindle nose to base	mm	700
Spindle taper		MT4 ER40
Spindle speeds range	r/min	Customer specified
Work pressure	kgf/cm <sup>2</sup>	20-30
Dimension of base	mm	690 x 500
Overall height	mm	1165
Main motor	kW	2.2
Coolant motor	W	40
G.W./N.W	kg	360/600
Packing dimension	cm	152 x 112 x 230



## Z20025/Z25032 Long Travel Drilling Machine



### • Z25032 Characters

- Spindle max travel can reach 250mm, as well as deeper process.
- The head and table can rise & down freely, the head could also move reverse, enlarge the range of process.
- The main body is stable & firm, effective working area of table is 540 x 470 mm.
- With coolant and tapping mechanism.

### • Standard accessories

Taper sleeve  
Drill chuck  
Wrench  
Arbor  
Drift

### • Standard accessories

Safety guard  
Angle vice

Model		Z20025	Z25032
Max. Drilling capacity	mm	25	31.5
Max. Tapping capacity	mm	/	M20/M16
Diameter of column	mm	85	115
Spindle travel	mm	200	250
Distance spindle axis to column generating line	mm	240	242.5
Max. Distance spindle nose to table	mm	/	650
Max. Distance spindle nose to base	mm	550	1150
Spindle taper		MT3	MT3
Spindle speeds range	r/min	290~2150	100~2150
Spindle speeds series		5	12
Dimension of worktable surface	mm	/	540 x 2150
Table travel	mm	/	12
Dimension of base	mm	590 x 375	540 x 470
Overall height	mm	930	515
Main motor	w	750(6P)	690 x 520
Coolant motor	w	/	1810
G.W/N.W	kg	155/130	1500
Packing dimension	cm	82 x 48 x 102	360/320

**ORION**  
DRILLING - TAPPING - MILLING