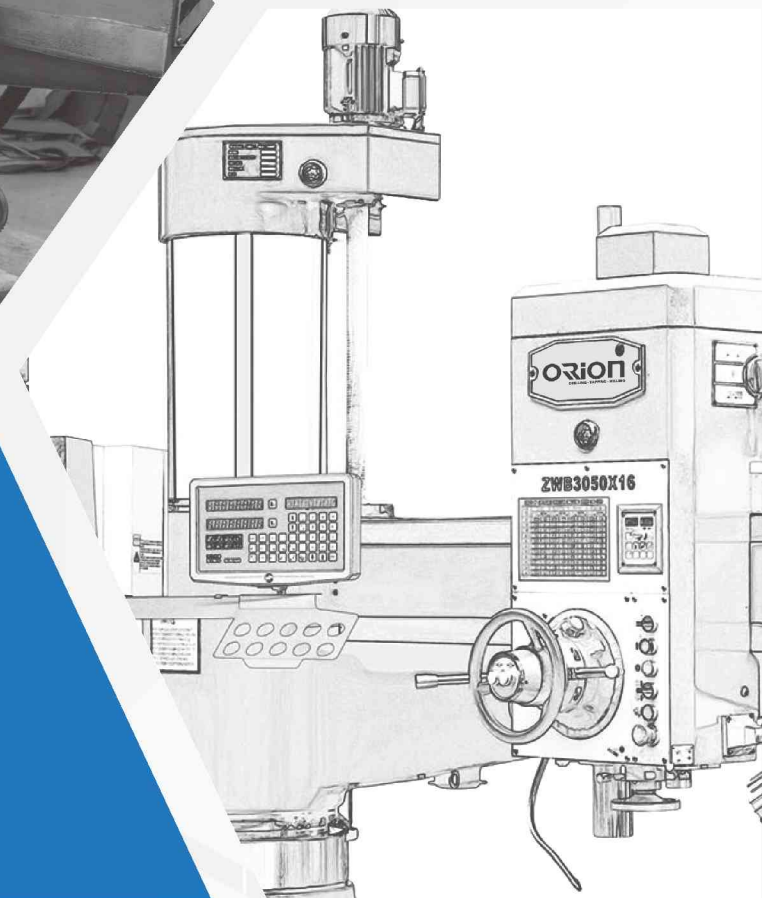


HEAVY DUTY RADIAL DRILLING MACHINE



- Variable Speed Control
- Digital Readout System
- Radial Drilling Machine

INDOTARA

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INDOTARA

www.indotara.co.id

ZWB3050x16

Intelligent High Efficiency Radial Drilling machine
(With variable speed control)



ZWB3050x16



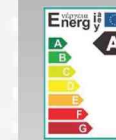
- ① Both the main motor and the feed motor use permanent magnet energy-efficient motors, saving more than 35%
- ② The main gearbox reduces nearly 20 gears compared to conventional hydraulic shifting rocker drills, eliminating the shifting cylinder. Simpler structure, less failure, easy maintenance and low noise.
- ③ The gear modulus is increased, and the drilling of the hole is more assured
- ④ Independent feed motor (permanent energy efficient) upgrades the original 16-speed fixed feed to stepless speed regulation.
- ⑤ Key focus, Easy operation



Upgrade the original 16-speed fixed speed to 2 speed stepless speed regulation.



Intelligent operation panel.
-Speed Visual
-Feed you can view



NEW

**Intelligent
High Efficiency
Reliable**

• Standard accessories

Cubic worktable
Taper sleeve
Tool releasing wrench
Drift
Eyelet bolts

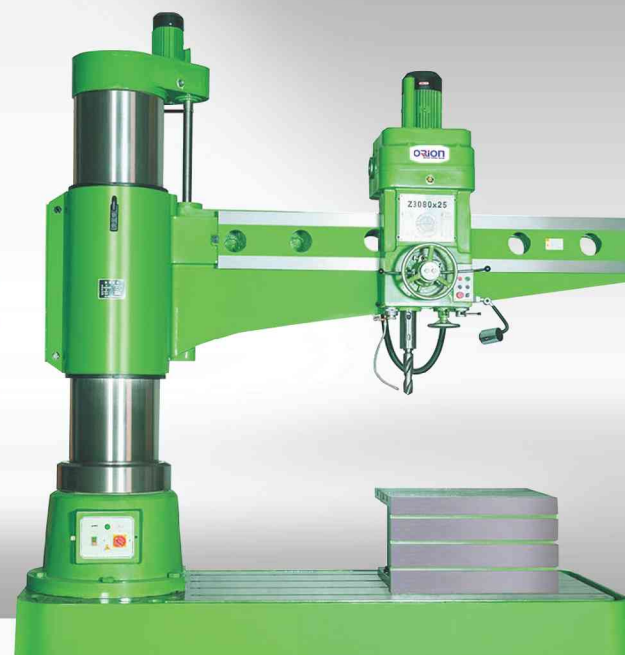
• Optional accessories

Machine vice

Model		ZWB3050X16
Max. Drilling capacity	mm	50
Max. Tapping capacity	mm	M30
Distance spindle axis to column surface	mm	359-1600
Max.spindle travel	mm	315
Spindle taper		MT5
Diameter of column	mm	350
Spindle speed	r/min	20-200, 200-2000
Dimension of worktable	mm	630 x 500 x 500
Dimension of base	mm	2400 x 1000 x 200
Max. Distance spindle nose to base	mm	320 - 1220
Max. Torque	N-m	400
Permissible max.feed resisting force	N	16000
Rocker arm lifting speed	m/min	1.2
Main motor power	kW	4
Rocker arm lifting motor power	kW	1.1
Oil pump motor power	w	750
Coolant pump motor power	w	125
Feed motor power	w	90
Feed speed rate	mm/min	13-127
N.W./G.W	kg	3500/3800
Max.external dimension	mm	2677 x 1000 x 2650
Packing dimension	mm	2600 x 1120 x 2600

RADIAL DRILLING MACHINE

Z3080X25



Character

- Gather mechanical-electrical-hydraulic functions, use extensively.
- With wide range of speed and feed, with manual, power and fine feeds. The feed of machines are very easily engaged and disengaged at any time.
- With safe and reliable feed safety machine, all parts easy operation and change.
- All controls centralized on the head stock easy operation and change. Clamping for assemblies and speed change of spindle achieved by hydraulic power, cable is sensitive power net.
- Main parts are made by machine center which import from KIA with high precision and efficiency, ensuring reliability and high quality.
- Integrating technology for casting parts is excellent, adopting casting equipment, ensuring high quality of material for basic parts.
- Spindle parts are made by special high quality steel heat treatment to be made by first class equipments, ensuring high strength and durability.
- Main gears are machined by gear grinding. the machine ensuring high precision and low noise.

Z3060X20A



Standard accessories

Tool releasing wrench
Box shape worktable
Taper sleeve
Eyelet bolts
Drift

Special accessories

Quick instead chuck
Tapping chuck
Grease gun

Model		Z3080 X 25	Z3063 X 20A
Max. Drilling capacity	mm	80	63
Distance spindle axis to column generating line	mm	50 ~ 2500	450 ~ 2050
Diameter of column	mm	550	450
Spindle taper		MT6	MT5
Spindle travel	mm	450	400
Spindle speeds range	r/min	16~1250	20~1600
Spindle speeds series		16	16
Range of spindle feeds	mm/r	0.04~3.2	0.04~3.2
Spindle feeds		16	16
Distance spindle nose to working surface of base	mm	550~2000	400~1600
Dimension of worktable	mm	1000 x 800 x 560	950 x 630 x 500
Dimension of base	mm	3530 x 1400 x 300	2900 x 1250 x 250
Overall size	mm	3730 x 1400 x 3790	3110 x 1250 x 3150
Power of main motor	kW	7.5	5.5
N.W./G.W	kg	10450/10000	7145/6795
Packing dimension	cm	387x162x223/373x154x153	348x147x221

RADIAL DRILLING MACHINE WITH DIGITAL READOUT SYSTEM

Z3040X16/2
Z3050X16/2
ZQ3050X20/2

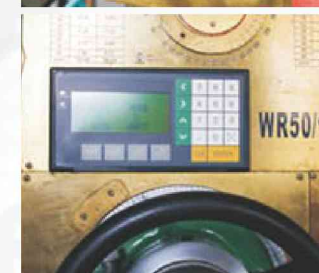


• Standar accessoris

Tool releasing wrench
Box shape worktable
Taper sleeve
Eyelet bolts
Drift

• Special accessoris

Quick instead chuck
Tapping chuck
Grease gun



• Character

- Advantageous digital readout, accurate orientation and convenient operation.
- Gather mechanical-electrical-hydraulic functions, use extensively.
- With wide range of speed and feed, with manual, power and fine feeds.
- With safe and reliable feed safety machine, all parts easy operation and change.
- All controls centralized on the head stock easy operation and change. Clamping for assemblies and speed change of spindle achieved by hydraulic power, change is sensitive and reliable.
- Main parts are made by machine center which import from KIA with high precision and efficiency, ensuring reliability and high quality.
- Integrating technology for casting parts is excellent, adopting casting equipment, ensuring high quality of material for basic parts.
- Spindle parts are made by special high quality steel heat treatment to be made by first class equipments, ensuring high strength and durability.
- Main gears are machined by gear grinding. the machine ensuring high precision and low noise.

Model		Z3040X16/2	Z3050X16/2	ZQ3050X20/2
Max. Drilling capacity	mm	40	50	50
Distance spindle axis to column generating line	mm	350~1600	350~1600	350~2000
Diameter of column	mm	350	350	350
Spindle taper		MT4	MT5	MT5
Spindle travel	mm	315	315	315
Spindle speeds range	r/min	25~20000	25~20000	25~20000
Spindle speeds series		16	16	16
Range of spindle feeds	mm/r	0.04~3.2	0.04~3.2	0.04~3.2
Spindle feeds		16	16	16
Distance spindle nose to working surface of base	mm	350~1250	320~1220	320~1220
Dimension of worktable	mm	630 x 500 x 500	630 x 500 x 500	630 x 500 x 500
Dimension of base	mm	2400 x 1000 x 200	2400 x 1000 x 200	2400 x 1000 x 200
Overall size	mm	2500 x 1060 x 2650	2500 x 1060 x 2650	2900 x 1060 x 2650
Power of main motor	kW	4	4	4
N.W./G.W	kg	3650/3400	3650/3400	3850/3550
Packing dimension	cm	260X112X260	260X112X260	300X112X260

RADIAL DRILLING MACHINE

Z3040X16/12
Z3050X16/1
ZQ3050X20/1



• Standard accessories

Tool releasing wrench
Box shape worktable
Taper sleeve
Eyelet bolts
Drift

• Special accessories

Quick instead chuck
Tapping chuck
Grease gun



• Character

- With wide range of speed and feed, with manual, power and fine feeds. The feed of machines are very easily engaged and disengaged at anytime.
- With safe and reliable feed safety machine, all parts easy operation and change.
- All controls centralized on the head stock easy operation and change. Clamping for assemblies and speed change of spindle achieved by hydraulic power, cable is sensitive power sensitive.
- Main parts are made by machine center which import from KIA with high precision and efficiency, ensuring reliability and high quality.
- Integrating technology for casting parts is excellent, adopting casting equipment, ensuring high quality of material for basic parts.
- Spindle parts are made by special high quality steel heat treatment to be made by first class equipments, ensuring high strength and durability.
- Main gears are machined by gear grinding. the machine ensuring high precision and low noise.

Model		Z3040X16/1	Z3050X16/1	ZQ3050X20/1
Max. Drilling capacity	mm	40	50	50
Distance spindle axis to column generating line	mm	350~1600	350~1600	350~2000
Diameter of column	mm	350	350	350
Spindle taper		MT4	MT5	MT5
Spindle travel	mm	315	315	315
Spindle speeds range	r/min	25~20000	25~20000	25~20000
Spindle speeds series		16	16	16
Range of spindle feeds	mm/r	0.04~3.2	0.04~3.2	0.04~3.2
Spindle feeds		16	16	16
Distance spindle nose to working surface of base	mm	350~1250	320~1220	320~1220
Dimension of worktable	mm	630 x 500 x 500	630 x 500 x 500	630 x 500 x 500
Dimension of base	mm	2400 x 1000 x 200	2400 x 1000 x 200	2400 x 1000 x 200
Overall size	mm	2500 x 1060 x 2650	2500 x 1060 x 2650	2900 x 1060 x 2650
Power of main motor	kW	4	4	4
N.W./G.W	kg	3650/3400	3650/3400	3850/3550
Packing dimension	cm	260X112X260	260X112X260	300X112X260

RADIAL DRILLING MACHINE



Z3050X12/1

• Standard accessoris

Tool releasing wrench
Box shape worktable
Taper sleeve
Eyelet bolts
Drift

Z3040X13/1

• Special accessoris

Quick instead chuck
Tapping chuck
Grease gun

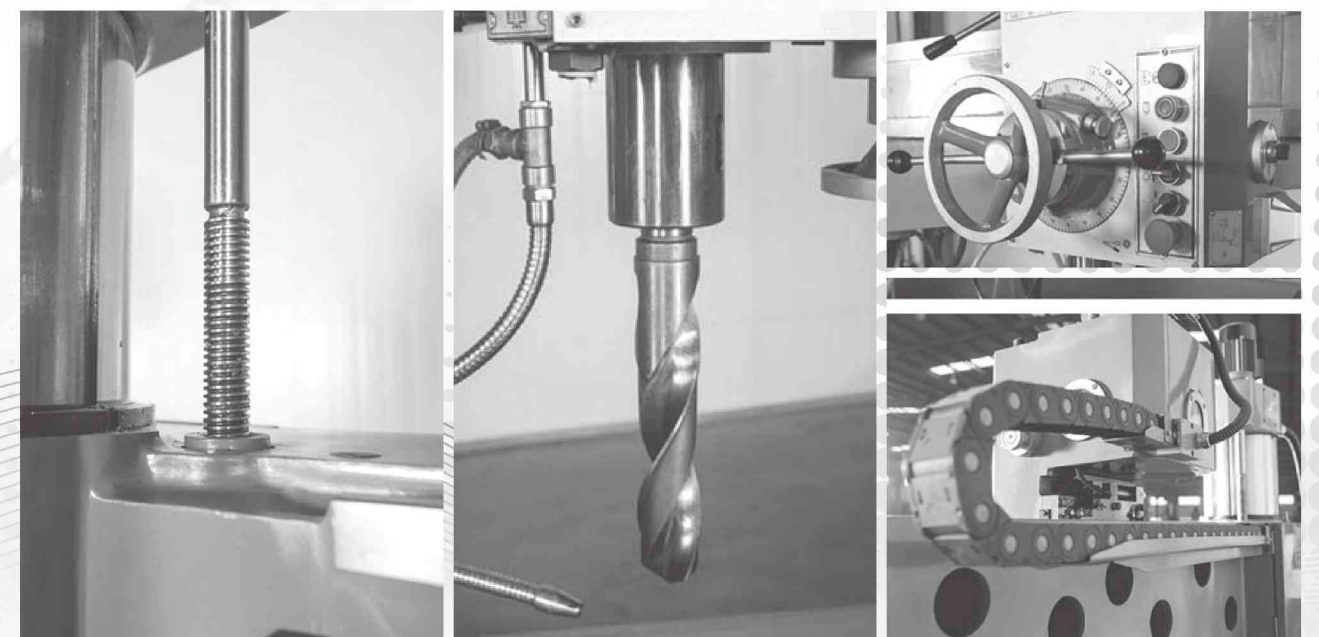


• Character

- With wide range of speed and feed, with manual, power and fine feeds. The feed of machines are very easily engaged and disengaged at anytime. With safe and reliable feed safety machine, all parts
- easy operation and change. All controls centralized on the head stock easy operation and change. Clamping for assemblies and speed change of spindle achieved by hydraulic power, cable is sensitna power nellie. Main parts are made by machine center which import form KIA with high precision and efficiency,
- ensuring reliability and high quality. Integrating technology for casting parts is excellent, adopting casting equipment, ensuring
- high quality of materia for basic parts. Spindle parts are made by special high quality steel heat treatment to be made by first class equipments, ensuring high strength and durability. Main gears are machined by gear grinding.

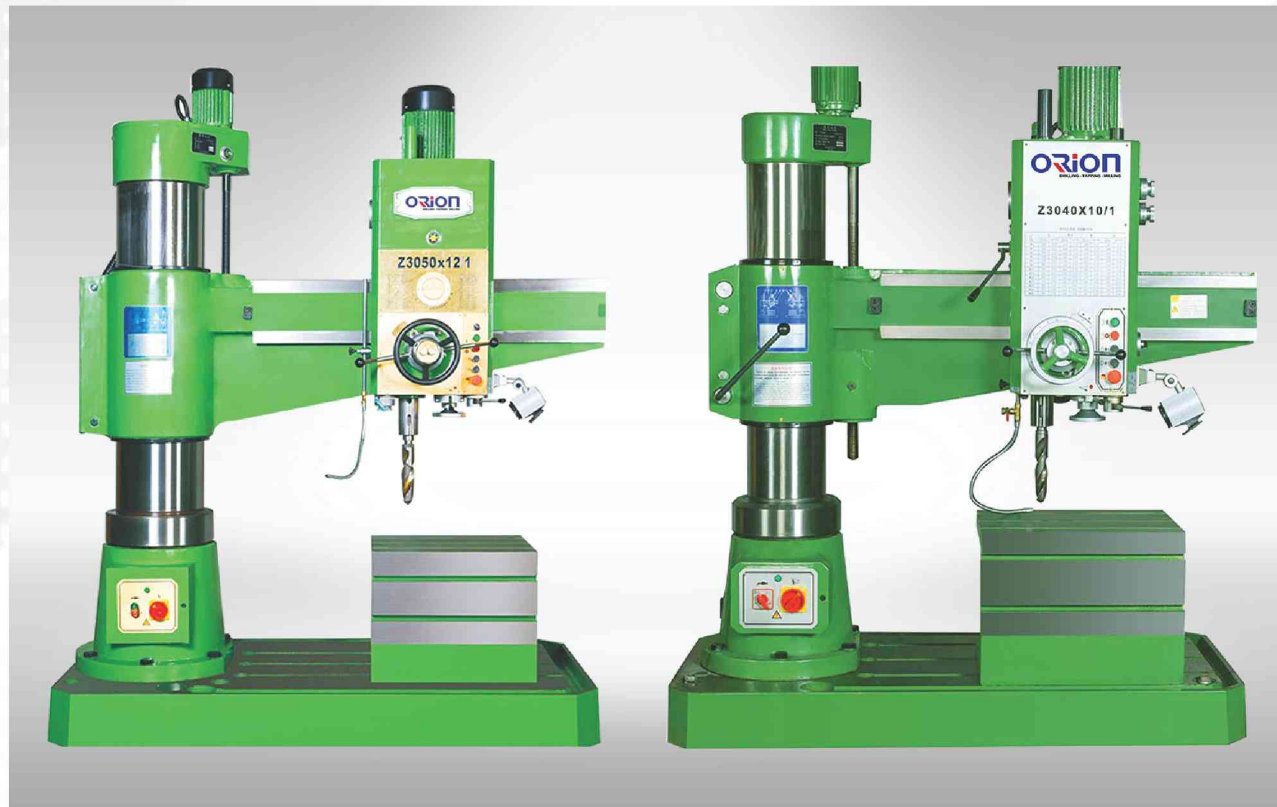
the machine ensuring high precision and low noise.

Z3032X10/1



Special Education Future

Creat Technology Model



Model		Z3050X12/1	Z3050X12/1 Z3040X10/1	Z3050X12/1
Max.drilling capacity	mm	50	32/40	40
Distance spindle axis to column surface	mm	350~1250	300~1000	300~1300
Diameter of column	mm	350	240	300
Spindle taper		MT5	MT4	MT4
Spindle travel	mm	315	280	280
Spindle speeds range	r/min	25~2000	32~2500	32~2500
Spindle speeds series		16	16	16
Range of spindle feeds	mm/r	0.04~3.2	0.10~1.25	0.10~1.25
Mpindle Spindle feeds		16	8	8
Distance spindle nose to working surface of base	mm	350~1220	220~1000	300~1320
Dimensionof worktable	mm	630x500x500	600x450x450	600x450x450
Dimension of base	mm	2050x1000x200	1710x800x160	2050x900x200
Overall size	mm	2150x1060x2650	1760x800x2050	2100x900x2300
Power of Main motor	kW	4	2.2	3
N.W./G.W	kg	3250/3000	1920/1830	2500/2100
Packing dimenson	cm	240x112x252	187x97x220	235x106x245

RADIAL DRILLING MACHINE

**Z3032X8/1, Z3040X8/1
ZQ3040X10/1**



● Character

- With wide range of speed and feed, with manual, power and fine feeds. The feed of machines are very easily engaged and disengaged at anytime.
 - With safe and reliable feed safety machine, all parts easy operation and change.
 - All controls centralized on the head stock easy operation and change. Clamping for assemblies and speed change of spindle achieved by hydraulic power, cable is sensitna power nellie.
 - Main parts are made by machine center which import form KIA with high precision and efficiency, ensuring reliability and high quality.
 - Integrating technology for casting parts is excellent, adopting casting equipment, ensuring high quality of materia for basic parts.
 - Spindle parts are made by special high quality steel heat treatment to be made by first class equipments, ensuring high strength and durability.
- Main gears are machined by gear grinding. the machine ensuring high precision and low noise.



RADIAL DRILLING MACHINE Z3032X10/Z3040X10

● Standard accessoris

- Tool releasing wrench
- Box shape worktable
- Taper sleeve
- Eyelet bolts
- Drift

● Special accessoris

- Quick instead chuck
- Tapping chuck
- Grease gun

● Character

- The Radial Drilling Machine, it's construction designed elaborately, with perfect appearance and convenient maintenance.
- The head stock radial arm and columns are clamped by manual clamping mechanism.
- It has feature of wide speed and feed range, compact operation key, reliable and enough rigidity.
- The machine has a ample rigidity and powerin drilling, counter boring, spot facing reamin, tapping, even boring when equipped with a special device. It is widley used in every department of machining medium and small sizes workpieces.



Model		Z3032X8/1	Z3040X8/1	ZQ3040X10/1	Z3032 X 10	Z3040 X 10
Max.Drilling capacity	mm	32/40		40	32	40
Distance spindle axis to column generating line	mm	320~820		320~1020	200~1000	200~1000
Diameter of column	mm	200		200	240	240
Spindle taper		MT4		MT4	MT4	MT4
Spindle travel	mm	240		240	250	250
Spindle speeds range	r/min	75~1220		75~1220	71~1800	71~1800
Spindle speeds series		6		6	8	8
Range of spindle feeds	mm/r	0.1~0.25		0.1~0.25	0.13~0.54	0.13~0.54
Spindle feeds		3		3	4	4
Distance spindle nose to working surface of base	mm	120~860		120~860	264~1064	264~1064
Dimension of worktable	mm	400 x 400 x 350		400 x 400 x 350	400 x 450 x 400	400 x 450 x 400
Dimension of base	mm	1370 x 700 x 160		1370 x 700 x 160	1500 x 740 x 160	1500 x 740 x 160
Overall size	mm	1407 x 720 x 1885		1600 x 720 x 1885	1730 x 750 x 2360	1730 x 750 x 2360
Power of main motor	kW	1.5		1.5	2.2	2.2
G.W./N.W	kg	1230/1140		1250/1160	1600/1530	1600/1530
Packing dimension	cm	155 x 77 x 210		175 x 77 x 210	187 x 97 x 220	187 x 97 x 220



• **Standar accessoris**

Drill chuck ϕ 16mm
Box shape worktable
Taper sleeve
Arbor
Drift

• **Special accessoris**

Safety guard
Angle vice
Stand

• **Character**

- With wide range of speed, with manual, power feeds. The feed of machines are very easily engaged and disengaged at anytime.
- The radial arm can rotate and can tilted 45°, it reliable and easy job can be done.
- Main parts are made by machine center which import from KIA with high precision and efficiency, ensuring reliability and high quality.
- The machine with small appearance and much function, the machine are widely used for drilling, counterboring, reaming, tapping etc.

"P" With collant system

Model		Z3032 X 7/Z303 X 7P
Max. Drilling capacity	mm	315
Max. Tapping capacity	mm	Cast Iron 20, Steel 16
Distance spindle axis to column generating line	mm	300~700
Diameter of column	mm	150
Spindle taper		MT3
Spindle travel	mm	130
Spindle speeds range	r/min	100~1600
Spindle speeds series		8
Spindle speeds	mm/r	0.08, 0.14, 0.23
Rotary angle of rocker in horizontal plane	°	360
Distance spindle nose to working surface of base	mm	275~680
Dimension of worktable	mm	250 x 250 x 250
Dimension of base	mm	1050 x 550 x 120/1200 x 625 x 155
Overall size	mm	1235 x 550 x 1195/1235 x 625 x 1230
Power of main motor	W	750 or 1100
G.W/N.W	kg	415/385, 540/500
Packing dimension	cm	122 x 62 x 128/127 x 69 x 137

ORION
DRILLING - TAPPING - MILLING