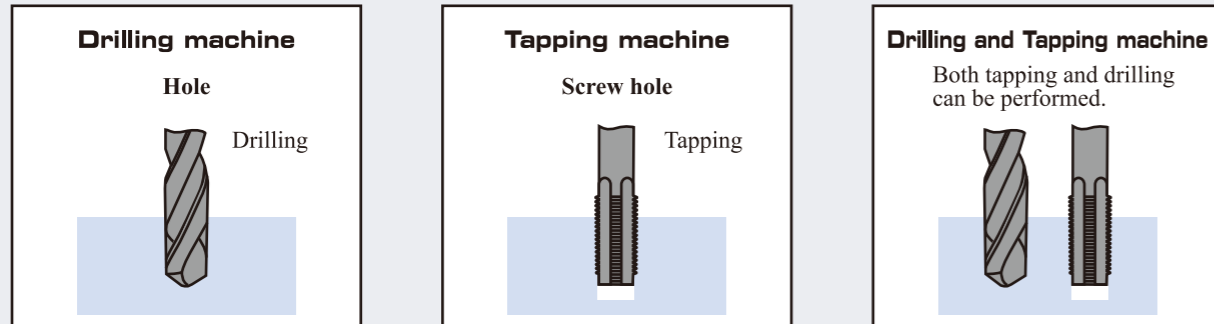
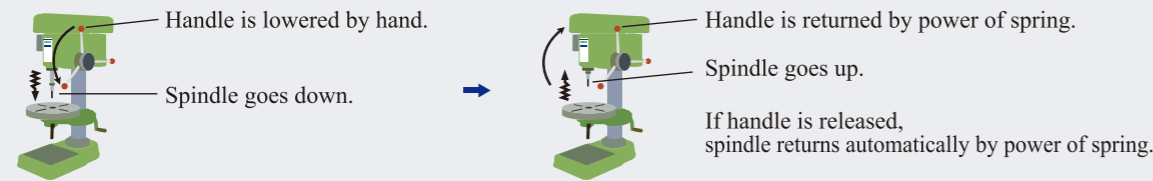


## Machining method

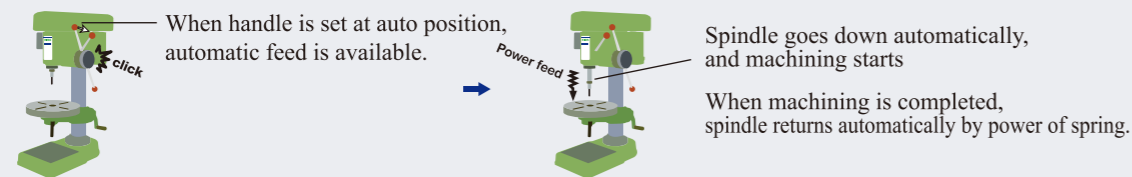


## Operation method

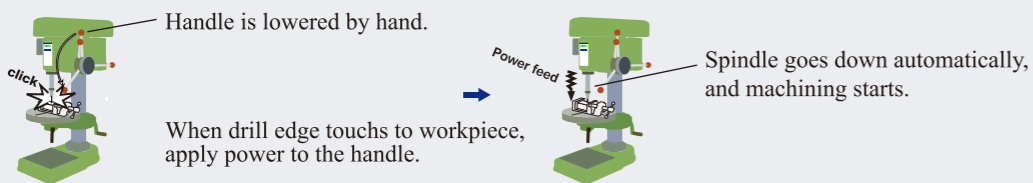
### Manual-operation type



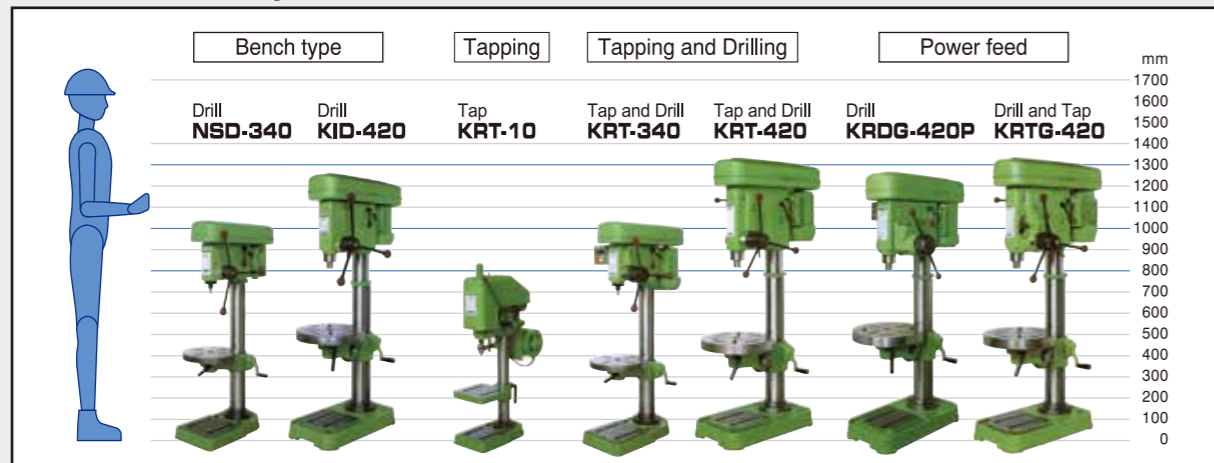
### Drilling machine with power feed device



### Drilling and tapping machine with power feed device



## Machine lineup



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## BENCH TYPE DRILLING AND TAPPING MACHINE

- Drilling machine
- Tapping machine
- Tapping and drilling machine
- Drilling machine with power feed device
- Drilling and tapping machine with power feed device



KIRA CORPORATION

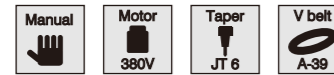
# BENCH TYPE DRILLING MACHINE

## Drilling machines

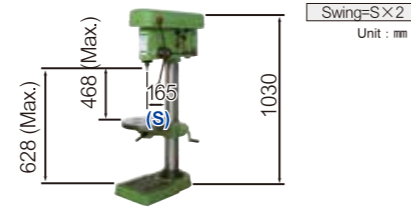
### NSD-340 Only drill.

Drilling capacity from 3mm to 13mm

- Equipped with 250W 4P motor. Powerful drilling is possible on the machine.
- The dial sleeve on the spindle feed control assures fast and accuracy depth settings.
- The belt can be easily re-engaged by operating a motor slide lever.



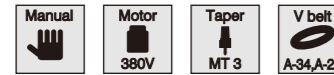
Model code
NSD-340-R250W4P380V



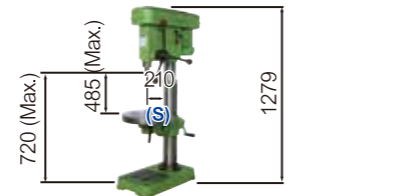
### KID-420 Only drill.

Drilling capacity from 4mm to 23mm

- The machine is constructed rigidly for accuracy and for absorbing vibration from heavy drilling.



Model code
KID-420-R750W6P380V3

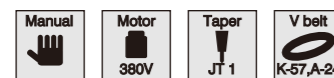


## Tapping machines

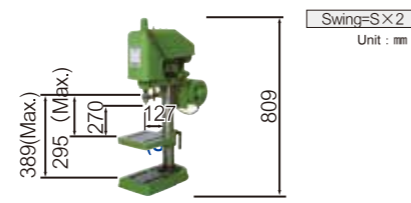
### KRT-10 Only tap.

Tapping capacity from M2 to M6

- Direction of spindle rotation is changed by up-and-down operation of the handle. This machine is equipped with a drill-chuck.



Model code
KRT-10-250W4P380V

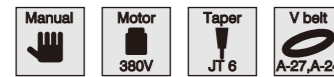


## Tapping and Drilling machines

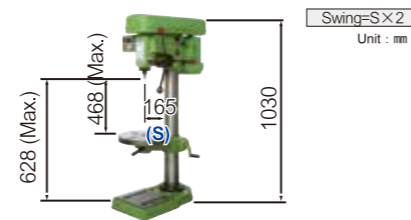
### KRT-340 Tap and Drill.

Tapping capacity from M4 to M12mm  
Drilling capacity from 3 mm to 13 mm

- The motor is specially designed to stand the repeated forward and reverse rotation to full extent.



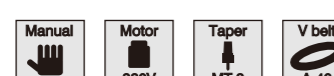
Model code
KRT-340-R400W4P380V



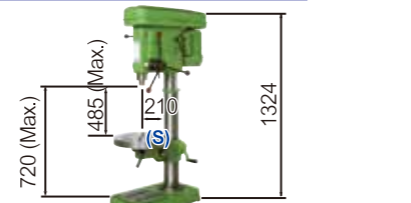
### KRT-420 Tap and Drill.

Tapping capacity from M6 to M20mm  
Drilling capacity from 4 mm to 25 mm

- The spindle speed is changed by belt and gears.



Model code
KRT-420-R750W4P380V

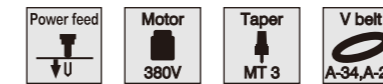


## Drilling machine with Power feed device

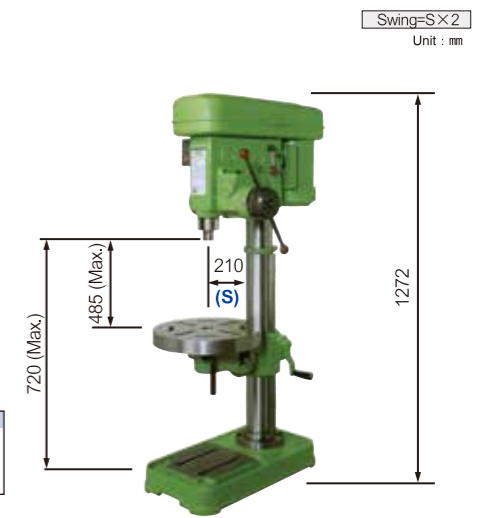
### KRDG-420P Only drill.

Drilling capacity from 4mm to 19mm

- Power feed is accomplished by simple operation.
- Designed to be highly rigid with large spindle and rack sleeve.



Model code
KRDG-420P-R750W6P380V

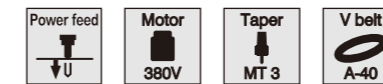


## Tapping and Drilling machine with power feed device

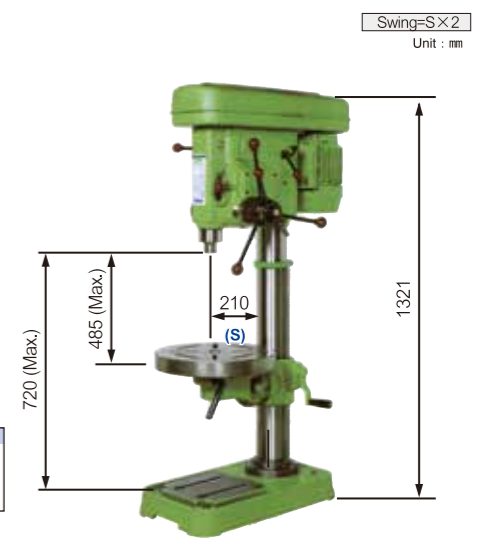
### KRTG-420 Tap and Drill.

Tapping capacity from M6 to M20  
Drilling capacity from 4mm to 25mm

- Drilling is done both Automatic and Manual operations are possible.
- Tapping is also done with a device which reverses the operation at set depth.



Model code
KRTG-420-R750W4P380V



## 【 Specification 】

Item	Model	NSD-340	KID-420	KRT-10	KRT-340	KRT-420	KRDG-420P	KRTG-420
Swing (mm)		330	420	254	330	420	420	420
Tapping capacity (mm)	S45C	—	—	M2~5	M4~10	M6~16	—	M6~16
	FC200	—	—	M2~6	M4~12	M6~20	—	M6~20
Drilling capacity (mm)	S45C	3~11	4~19	—	3~11	4~20	4~16	4~20
	FC200	3~13	4~23	—	3~13	4~25	4~19	4~25
Max. distance spindle to table (mm)		468	485	295	468	485	485	485
Max. distance spindle to base (mm)		628	720	389	628	720	720	720
Max. spindle travel (mm)	Tapping	—	—	40	75	115	—	115
	Drilling	80	120	—	80	120	Full stroke 120 Power feed 115	120
Taper of spindle nose		JT 6	MT 3	JT 1	JT 6	MT 3	MT 3	MT 3
Dia. of column (mm)		φ 80	φ 100	φ 60	φ 80	φ 100	φ 100	φ 100
Dimension of table (mm)		φ 285	φ 370	□ 196	φ 285	φ 370	φ 370	φ 370
Vertical travel of table (mm)		410	425	250	410	425	425	425

Item	Model	NSD-340	KID-420	KRT-10	KRT-340	KRT-420	KRDG-420P	KRTG-420
Spindle speed (min <sup>-1</sup> )	50Hz	415	170	Cut 480	280	Low 90·140 225·375	170	Low 90·140 225·375
		750	250	850	380		250	
	60Hz	1330	420	Back 580	580	High 295·475 760·1280	950	High 295·475 760·1280
		2300	950	1050	1200	1400	1150	1150
Power supply	50Hz	500	200	Cut 580	320	Low 106·170 270·450	200	Low 106·170 270·450
		900	300	1050	450		300	
	60Hz	1600	500	Back 700	700	High 355·570 920·1540	500	High 355·570 920·1540
		2800	1150	1250	1400	1700	1150	1400
Power supply		380V	380V	380V	380V	380V	380V	380V
Power feed of spindle (mm/rev.)		—	—	—	—	—	0.07·0.11·0.16·0.24	0.09·0.13·0.19
Driving motor		0.25kW 4P	0.75kW 6P	0.25kW 4P	0.4kW 4P	0.75kW 4P	0.75kW 6P	0.75kW 4P
Size of V belt		A-39	A-34, A-27	K-57, A24	A-27, A-24	A-40	A-34, A-27	A-40
Overall height (mm)		1031	1279	809	1030	1324	1272	1321
Weight (kg)		72	130	45	80	165	145	170
Dimension of base (mm)		268×464	340×600	210×362	268×464	340×600	340×600	340×600