

DFM-210

STANDARD ACCESSARIE. OPTIONS.FLOOR SPACE

Standard specifications

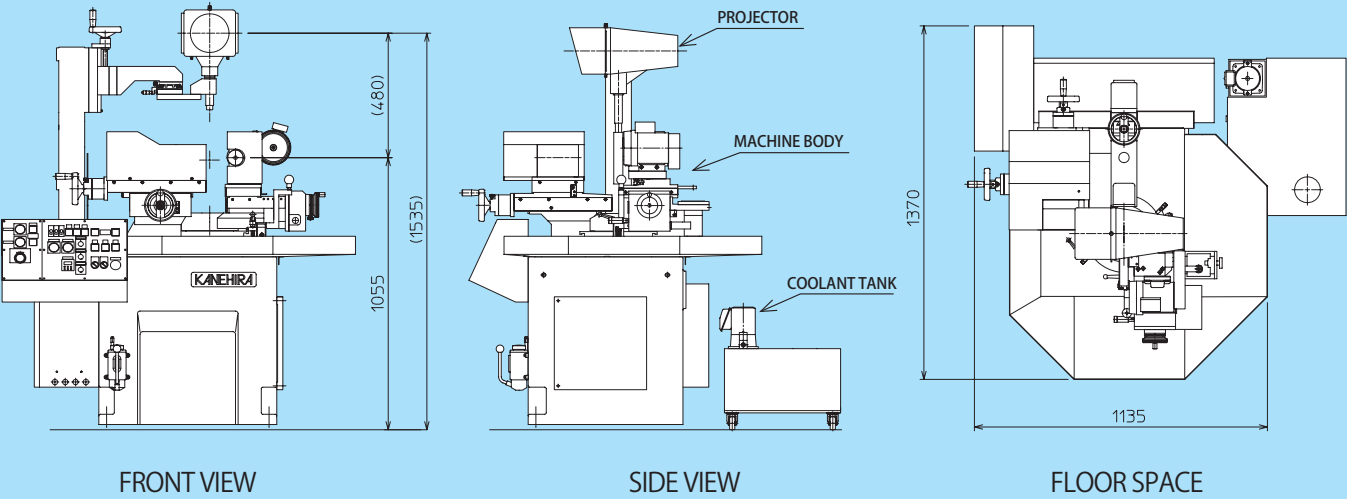
Work capacity	Max. dia. of work	φ210mm
	Min.dia.of work	φ1mm
	Max.width of work	25mm
	Form angle	±100°
Work spindle	Quill type spindle with centering mechanism	Centering travel ±0.025mm
	Max.swing	φ210mm
	Out dia of quill	φ80mm
	Revolution	100~400r.p.m
	Motor	75w(DC Servo motor)
Work slide	Cross travel(Z axis)	100mm
	Longitudinal travel(X axis)	115mm
Wheel spindle	Wheel size(Dia. x Width x Bore)	φ180 x 13 x 31.75mm
	Speeds	1690rpm
	Motor	200w-4p V3
Wheel head	Infeed(U-Spindle)	0.005mm / graduation
	Oscillating stroke(V1-Spindle)	0~25mm
	Oscillating travel(V2-Spindle)	20mm
	Oscillating speed	30 times/min.
Swivel slide	Swiveling angle(B-Spindle)	-100° ~ 0 ~ +100°
	Swiveling angle(Minimum)	30°
Machine weight	500kg	

Standard accessories

Wheel cover	1
Wheel extracting screw	1
Wheel flanges	1 set
Standard tool kits	1 set
Leveling plates	1 set
Halogen lamp(12vx50w)	1

Options

1	Coolant equipment	60L,60Wpump
2	Auto.infeed equipment of grinding wheel spindle (Intermittent infeed by ratchet & interval timer)	Feedrate 0.0025mm~0.02mm
3	Wheel slide auto.swiveling equioment	Swiveling speed 6°/sec.~12°/sec.
4	Digital angle meter of wheel slide swiveling	Min.display 5°
5	Digital angle meter of wheel slide swiveling	Min.display 1°
6	Digital display of infeedrate	Min.display 0.001mm
7	Digital display of position of work slide(X,Y axes)	Min.display 0.001mm
8	Grinding wheel angular equipment(A axis)	0~20°
9	Projector equipment (Projector with moving base of X,Y,Z,)	50w halogen lamp screen φ150mm(x 20)
9-1	Standard projector with special concentric circles	screen φ150mm(x 50)
9-2	High-powered projector with special concentric circles	screen φ250mm(x 20)
9-3	Large type projector with special concentric circles	screen φ250mm(x 20)
9-4	Changeable lens	x20,x50
10	Zoom microscope with TV monitor	(x40~x100, 17 inch LCD)
11	Taper arbor for each flange	
12	Straight arbor for each wheel bore	
13	Spring collet holder(φ1~16mm)	
14	Taper sleeve holder	
15	Special holder	
16	Special work spindle	
17	Chip grinding device for measurement of forming accuracy	
18	Splash guard	
19	Wheel spindle stepless speed change(by inverter)	
20	Work spindle holder for Wasino	
21	Work spindle holder for the other company's profile grinder.	



Dealership

Manufacture

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●The machine specifications are subject to change without notice by reason of retrofit. 2012.05

DIAMOND WHEEL
FORM DRES & TRUING
MACHINE TOOLS



KANEHIRA

General description

In recent years, it becomes an important point to make the most of Diamond or CBN grinding wheels in order to attempt to cost cut grinding.

But, it is very difficult for users to true or dress diamond or CBN wheels of many kinds of shapes. So, it has expected to call the economical grinding wheel truing machine suitable for grinding at high accuracy into existence for many years.

We have thought we must produce the machine which trues and dresses with high accuracy and low cost the diamond and CBN wheels with flanges for many kinds of the grinding machines, not for one purpose machine.(Because it is usual to be ground with flanges when truing and dressing the diamond or CBN grinding wheel with high accuracy.)

DFM-210 has developed to more small & economical type as a sister machine of a favored DFM-410 with settlement of the above matters.

This machine (DFM-210) can dress angle-formed, concave ,convex or circular shapes of all kinds of diamond or CBN grinding wheels within the limit(standard) of min. ϕ 1mm to max. ϕ 210mm with ease and high accuracy.

This machine will support the elevation of productivity strongly through keeping of accuracy of grinding wheels or reduction of grinding wheels in stock, and so on.

Feature

1. The each parts of the machine possess high stiffness. Accordingly, diamond or CBN grinding wheels are formed at high accuracy.
2. The top of the work axis is an exchangeable type and is provided with a centering mechanism. For that reason, it is easy to match the work axis with the flanges of every company at a low cost.
3. Oscillation of the grinding wheel axis with a crank mechanism has a silent motion.
4. This machine is combined by a compact design. For that, it is easy to work and not necessary for it to get a big space.
5. Many options of automatic cutting feed system, automatic swiveling system, projectors and so on are provided for this machine. It becomes possible for user to choose the options suitable for user's purpose.

Over view

