

## SPECIMEN CUTTING MACHINE

Standard: EN 12390 - 2 , DSTM D 4543

### Concrete Cutting

This machine using computer program control, data is accurate and adjustable, equiped with CNC and servo system with high performance to control the cutting. With fully sealed, low noise, automatic cutting and the cutting speed can be adjusted can fast forward, backward and with the walking system with high precision, accurate cutting etc.. With the core density automatic adjustment speed of feed. The rock core sample cutting quality. Effectively improves the reliability and service life and the diamond blade. Simple operation, stable and reliable performance.

The machine are use high quality 304 stainless steel for long life durability. The superfine diamond blade, while cutting plane two parallel, two plane distance is adjustable to 50, 70, 100, 150, 200mm cut the spacing, special specifications according to requirements of the production. Suitable for the highway, railway, construction, water conservancy, schools and other geotechnical laboratory preparation of standard sample cutting .

#### Technical Advantage:

- 1) Diamond saw blade production : high Menggang, processed by heat treatment and ground, and no deformation. Diamond cutter head and the common saw blade is not the same, using high quality a grade diamond knife head, wear resistance strong, suitable for various rock.
- 2) The 2 part adopts automatic clamping fixture and different(optional), greatly improves the work efficiency(manual loading and unloading time than cutting a long time)
- 3) The host power : 4KW ; power frequency conversion motor : 0.55kw
- 4) Cutting splinder diameter : 55mm, enhance the stability of cutting system, enhance cutting molding specimens parallel degree.
- 5) Cutting travel form : the change of similar products on the market situations of idling walk slowly in the process, the machine adopts a new variable frequency motor control, according to the speed of walking free to set the actual operation, reduce the idling walk time, improve work efficiency.

#### Technical Specifications :

Model Number	NL 4035 X / 008	
Cutting height max(mm)	Ø170 170mm	Ø220 220mm
Diamond cutting tool(mm)	Ø485	Ø585
Forms of Work	Single, double knife two plane (the place spacing adjustable 50, 70, 100, 150, 200mm)	
Cooling Form	Water cooling, can also be cooled by liquid nitrogen or using the built-in loop system(optional)	
Main Engine Power & Speed	4KW Y802-4 1390 RPM(explusive proof copper core)	
Linear velocity of the cutter	0--50m / min	
A working feed motor	Stepper motor, 3KW	
The Feeding Speed	Feeding method for frequency modulation. Work entered info with the core density automatic adjustment	
Feeding drive	Imported linear guide rail	
Control panel	PLC and touch screen	
Working time	Continuous	
Environmental temperature	0-40°C	
Noise tone	<80db	
Body product	1650 x 880 x 1400mm	
Quality quantity	750kg	
Power	415V, 3PH, 50/60Hz, 4KW	

