

# Running Saw

## Company Overview

After almost 30 years, NISSHIN KOOSAN Co., Ltd. has earned its place as a pioneer in the panel saw and running saw for plastics. The company designs and manufactures the most complete line of plastic working machinery and related accessories to meet the customers requirements in building and construction industry.

The company's automatic and precision running saw series have been developed based on the most advanced technology with the view to comprise safety, precision cut surface and right-angle, easy operation and stiff structural frame to keep precision machining. These series offer the customer lots of advantages in the shop operation.

Because NHR series are designed based on the stiff structural frame to secure the high precision machining, lots of options regarding 1) main shaft, 2) transfer speed, 3) thickness to be cut, 4) movable gauge, and 5) dimension of saw table, are available.

## Advantages

1. The machine provides a stiff structural frame to keep precision machining.
2. Because the sliding surface of the saw table is the key for precision machining, LM guide being used for the precision machine tool is employed. LM guide gives excellent abrasion resistance for years and keeps precision machining.
3. The sliding surface of the saw table is provide automatic oil feeding for avoiding the bearing abrasion by dusts and/or particles and maintains secure running.
4. Because adjusting the amount of coming-out of the saw blade is available by the handle depending on materials, the processing result in no burr.
5. Because coming-out and/or coming-in of the disc saw is designed to make jumping during only cutting operation with the blade turning in the material clamping device, it provides safety operation.
6. Clamping device of materials provides the safety shutter to avoid the hands and/or fingers caught between plates. While clamping, the clamp rises as much as the material thickness on the material and lowers to the saw table in case of no material.
7. Adjusting the speed of transfer is available by the inverter. Making a selection of the speed and the blade depending on materials could provide the best cut surfaces.
8. Bakelite material is uses for cutting edge plate to modify abrasion. In case of its abrasion found, make sure to replace it.
9. In case of cutting the short materials, the returning position of the saw is adjustable by the switch, resulting in the reduced waiting time and better efficiency.

## Option

1) High-powered main motor: 5.5 kW or 7.5 kW 2) Automatic gauge by PC controlled, 3) Cutting without loss 4) Floating by air 5) Servo-motor for automatic gauge unit 6) Inverter controller for cutting speed 7) Inverter controller for main motor shaft rotation