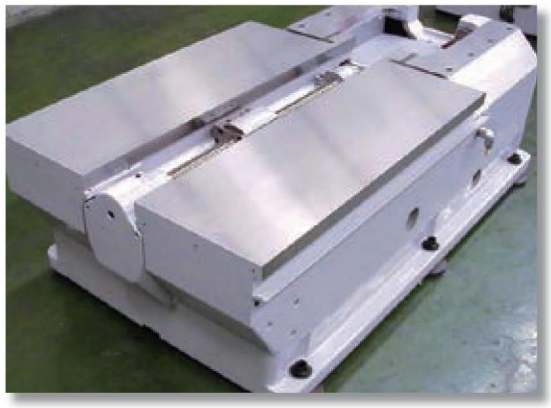
Basic Structure

Box-shaped Bed

Our beds are a stable boxed shape for accuracy and rigidity.

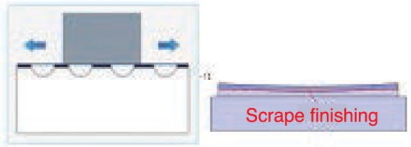
The standard bed has a symmetrical box centerguide system.
The wide and integral structured guideways assure long-term maintenance of high accuracy.
All axial guides and sliding surfaces are scrape finished manually by skilled workers.
Because cast iron is stable and excellent in absorbing vibration, it is used as the base material for our beds.
Cast iron has the same coefficient of expansion as steel has, and therefore adjusts to environmental changes.
Our cast iron is reliably made in Japan.



Scrape finishing

Our workers' skills enhance the machine's long operating life and high accuracy.

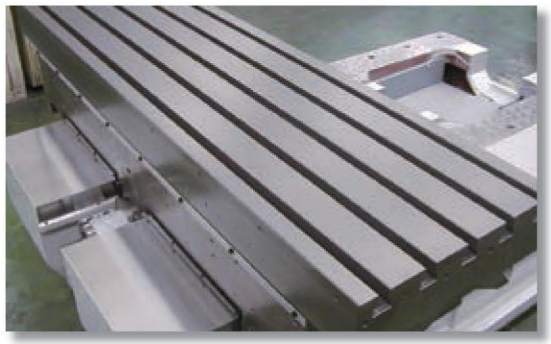
The reason that our milling machines have been well loved over along time is hidden in places invisible from the outside, such as behind the table and on the saddle of the bed.
The hand finish, called 'scrape finishing,'has small dimples that improve the machine's precision at a micron level that machine finishing cannot achieve.
Because all the sliding surfaces are scrape finished, long term high accuracy and a long operating life are assured.



Table

The table has been designed with many features to ensure high accuracy and easy operation.

Our table is long and wide to relieve operators'difficulties in clamping long or complicated shaped work pieces.
Our tables'size exceeds the stroke to minimize stroke limitations when attaching a rotary table.
Our tables are finished with spring-necked tools with a large planar, and work pieces are easily placed and removed without adhering to the table.



Compact design

Because our machines are an open-type, large strokes are possible in a small installation area.
A larger working space can be maintained.