

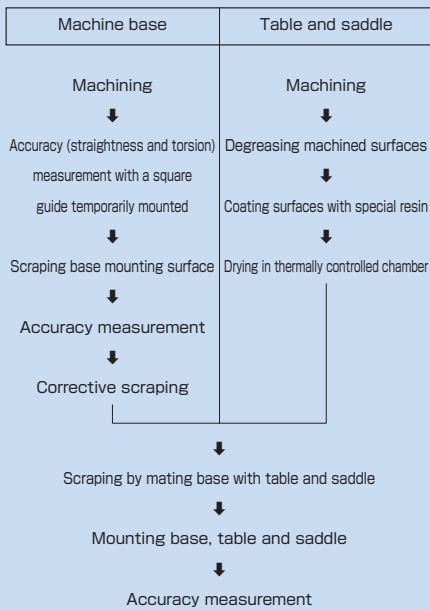
1.6. Low Total Cost

Compared with a sliding guide, the LM Guide is easier to assemble and does not require highly skilled technicians to perform the adjustment work. Thus, the assembly man-hour for the LM Guide are reduced, and machines and systems incorporating the LM Guide can be produced at lower cost. The figure below shows an example of difference in the procedure of assembling a machining center between using sliding guides and using LM Guides.

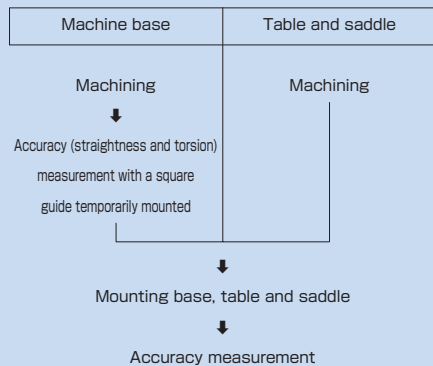
Normally, with a sliding guide, the surface on which the guide is installed must be given a very smooth finish by grinding. However, the LM Guide can offer high precision even if the surface is milled or planed. Using the LM Guide thus cuts down on machining man-hours and lowers machining costs as a whole.

Assembly Procedure for a Machining Center

Using square guides (sliding guides)



Using LM Guides



When extremely high precision is not required (e.g., running precision), the LM Guide can be attached to the steel plate even if the black scale on it is not removed.