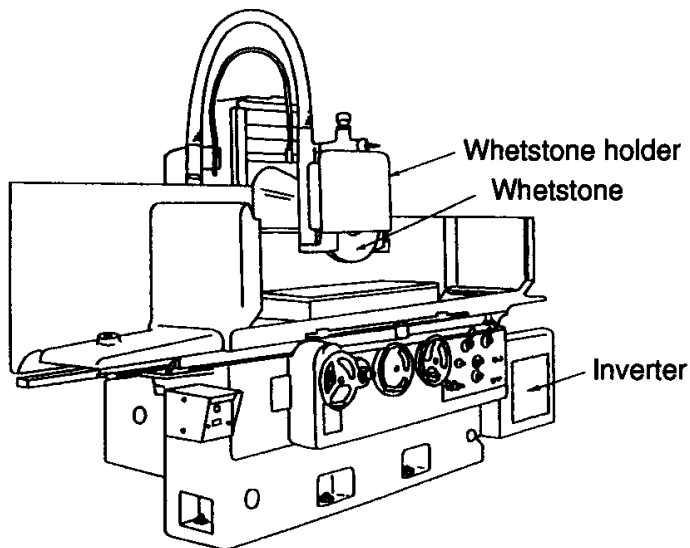


# SURFACE GRINDER

Main Driver:  
VFA7



An example of a surface grinder where the whetstone - driving motor is driven at variable speed by an inverter. In this case, very high speed revolution (some 4800rpm) is required for grinding super-hard materials. The output frequency of the inverter is raised to 160Hz.

## Advantages of adopting an inverter

### 1. High speed operation

Maximum speed of 4800rpm (using a 4-pole motor with driving frequency of 160Hz) is easily available.

### 2. Improvement of processing accuracy

Processing accuracy is improved by optimum speed depending upon the different work materials.

## Note on application

1. The motor used is an exclusive high speed motor. Please inquire to TSIJ for the application.
2. VF-A5 and a high speed motor for exclusive use will enable smooth operation up to 1600Hz