

Grinding

Why the Manufacturing Engineer needs Grinding Machines?

1-.....

2-.....

3-.....

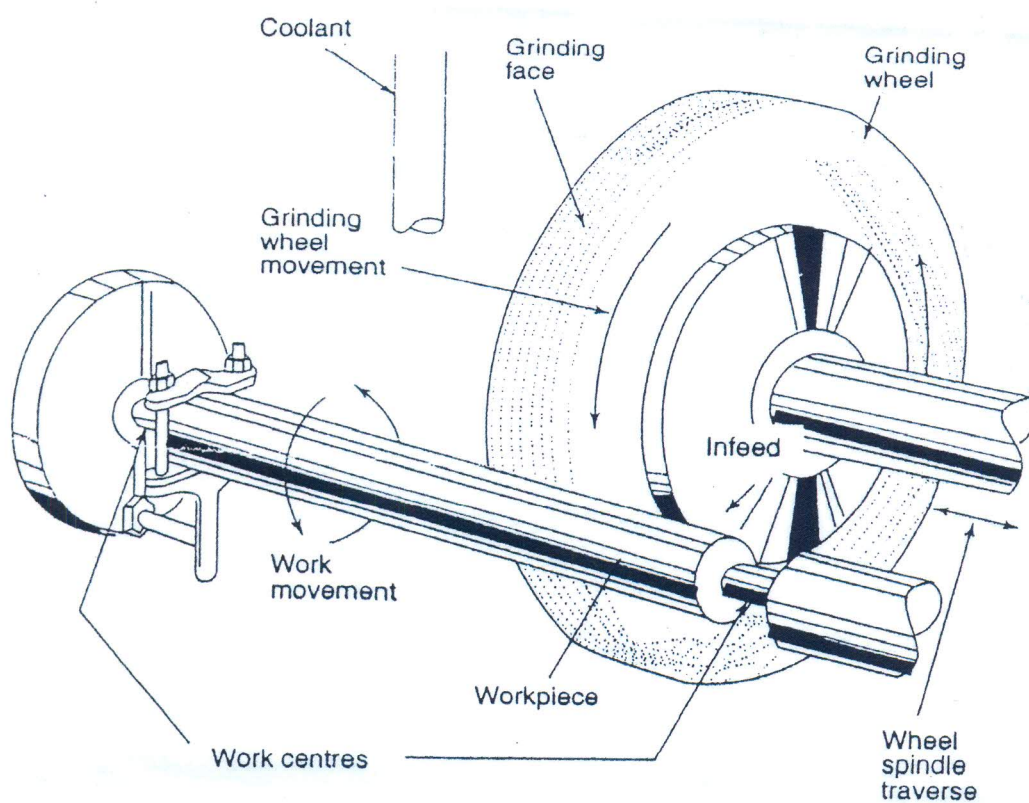
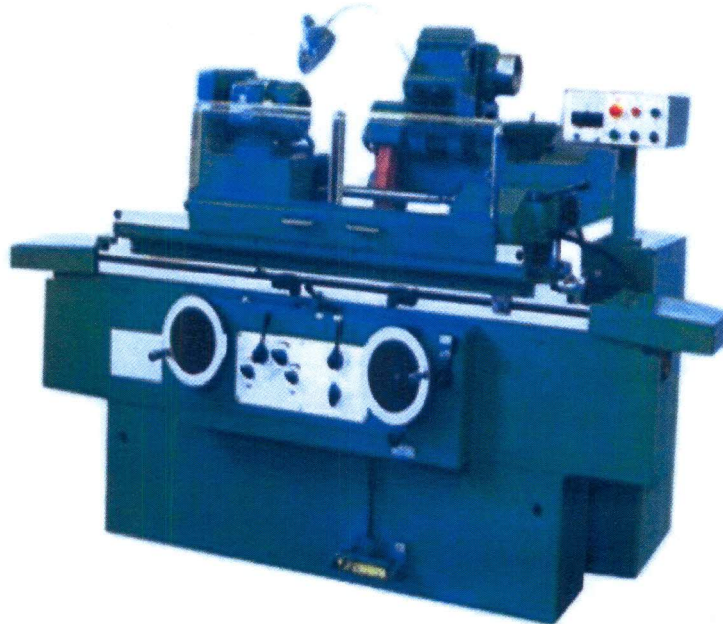
What are the different types of grinding machines?

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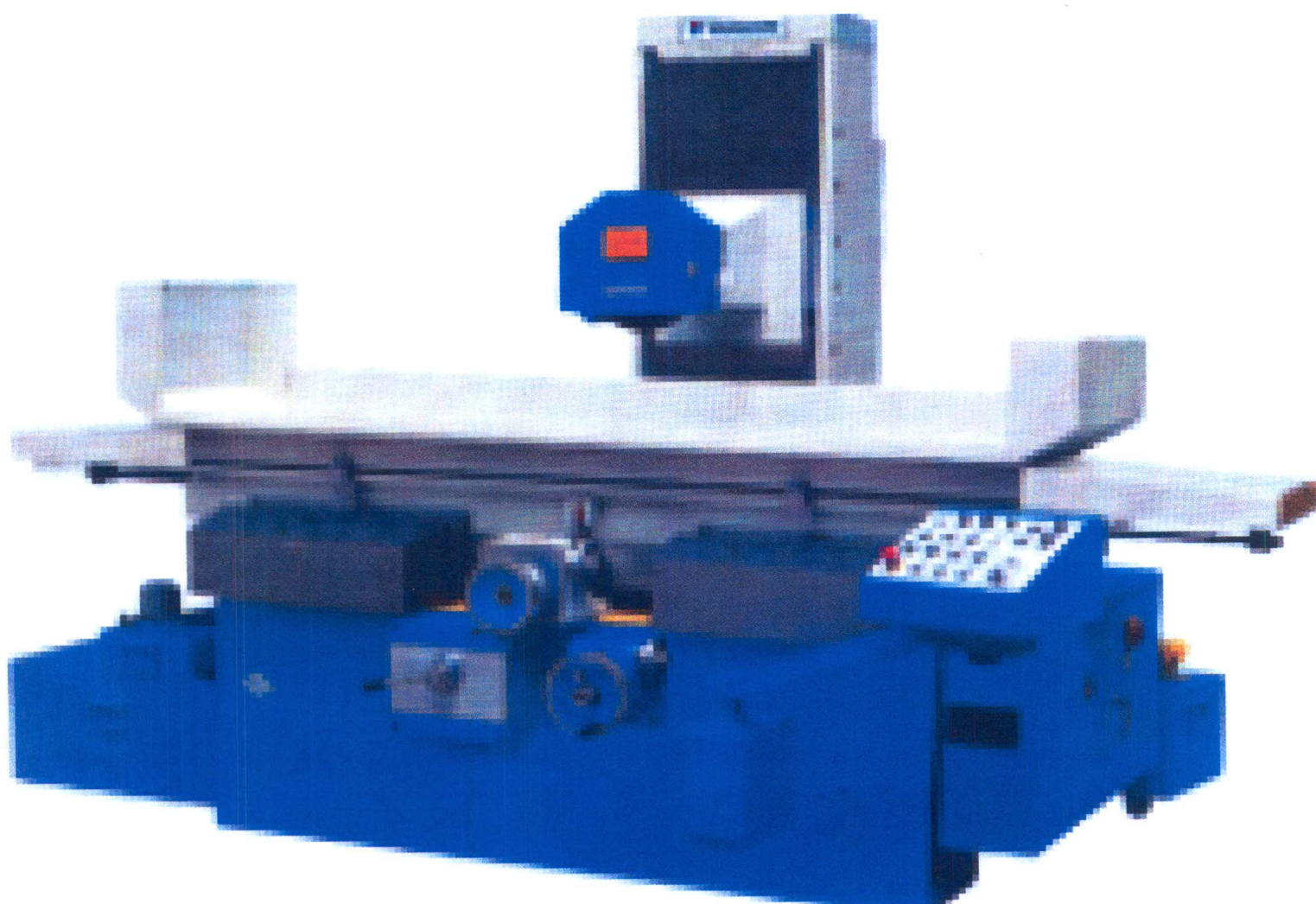
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Cylindrical Grinding

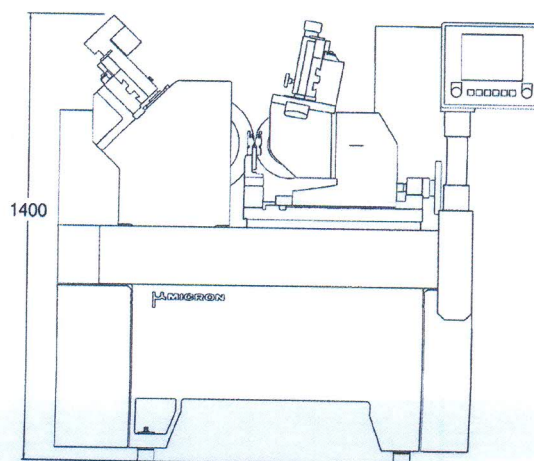
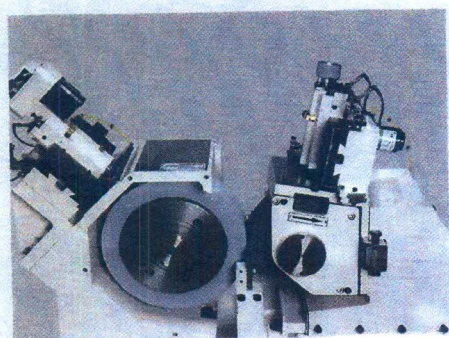
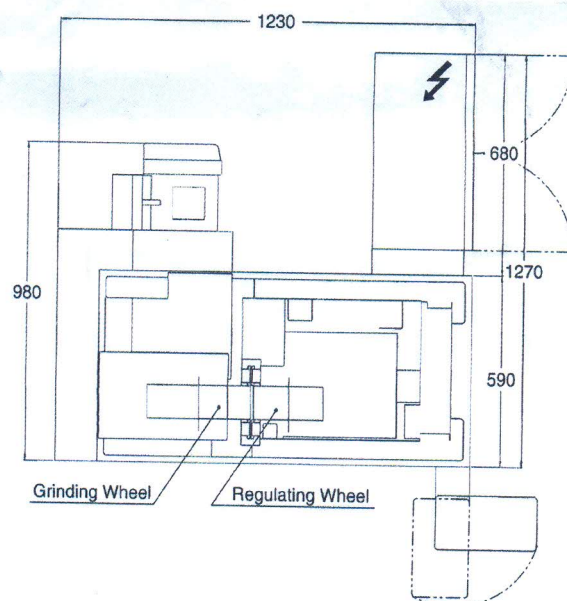
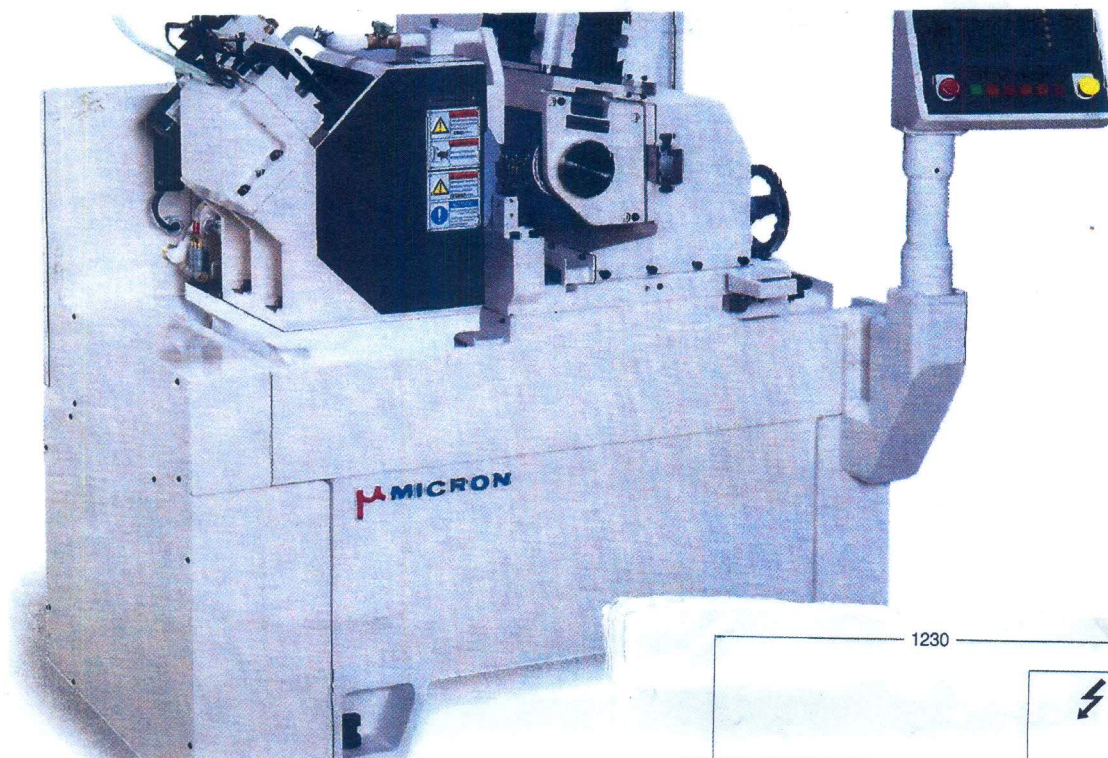


Cylindrical grinding operation

Surface Grinding



Centerless Grinding

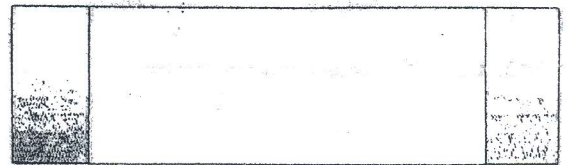


Grinding Wheel Shapes



Type 1

Straight



Type 2

Cylinder



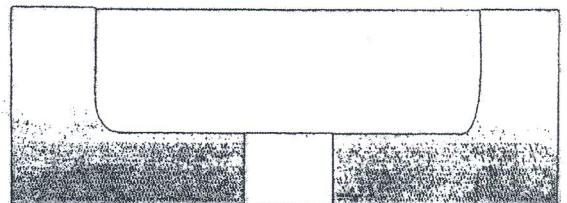
Type 1

Cut-off



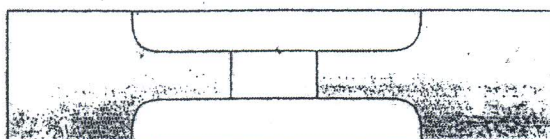
Type 5

Recessed one side



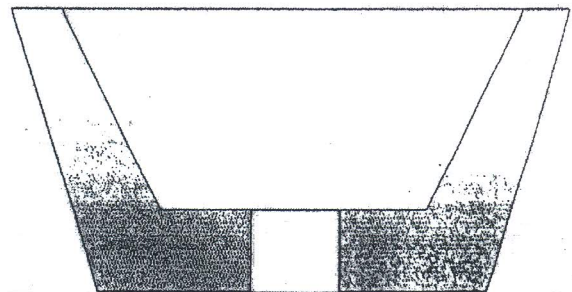
Type 6

Straight cup



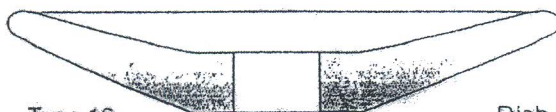
Type 7

Recessed two side



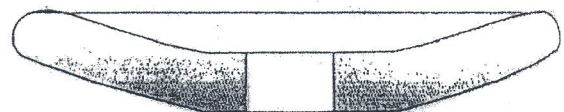
Type 11

Flaring cup



Type 12

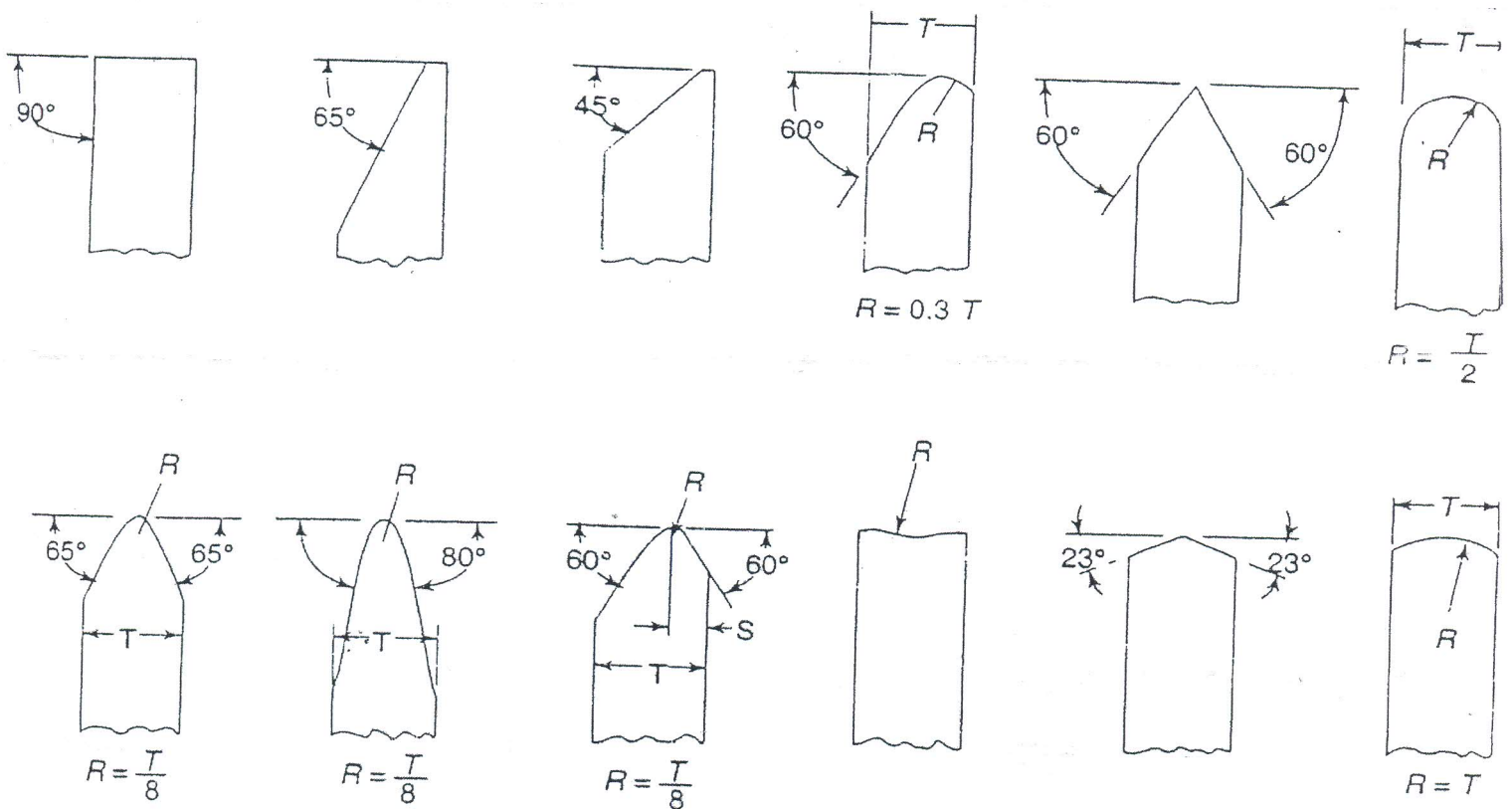
Dish



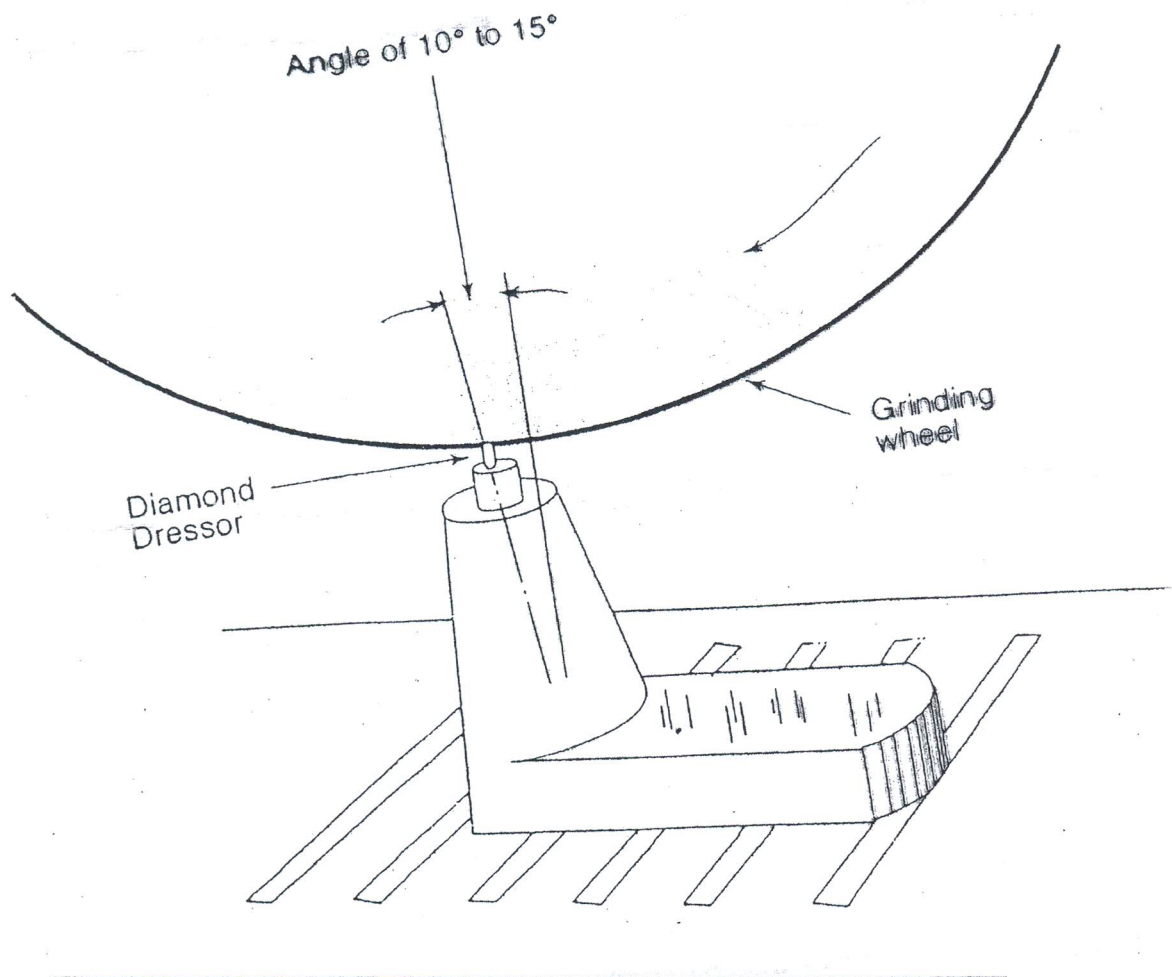
Type 13

Saucer

Forming of Grinding Wheels



Dressing of Grinding Wheel



Abrasive Materials Types

- Aluminum oxide
- Silicon Carbide
- Cubic Boron Nitride
- Diamond

Grinding Wheel Standard Marking System

