

IN-PERSON / ONLINE WORKSHOPS

GRINDING BASICS TRAINING

*Introduction to
Grinding Principles*



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TOPICS

01

Abrasives

Types , Construction, Advantages
Size Chart , Industry Standards and
Markings

02

Bonding Systems

Vitrified, Resin, Metal Plated bonds

03

Coolant

Coolant Flow, Coolant Pressure,
Nozzles, Filtration, Types of Coolants

04

Cylindrical Grinding 1

Centerless Grinding , Crank and
Cam , ID Grinding

05

Cylindrical Grinding 2

OD Plunge , Face , Slot , Traverse ,
Peel Grinding

06

Grinding Burn

Testing options, Methods , Thermal
Analysis

07

Machine Requirements

Machine , Spindle Integrity, Spindle
power Requirements

08

Q Prime (Q')

Q' Definition , G Ratio , Calculations

09

Surface Grinding

Conventional & Creep Feed

10

Truing & Dressing

Dressing Systems, In-Feed , Traverse
Feeds, Truing and dressing for
different Bond Systems.

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