

CENTERLESS TRAINING COURSE



Centerless Grinding Technology and Practice

**Next Class:
October
18-20th**

register by e-mail with Michelle:
michellek@centerless.net



Increase your productivity...

To enhance the centerless grinding operations used in manufacturing, CRI has developed a 3-day training program for engineers and operators. The training consists of a theoretical session coupled with hands-on sessions. The theoretical section will be in a classroom setting. For the hands-on session, CRI will make centerless grinders available.

Topics Covered:

- Basic principles of the centerless grinding process
- Roundness generation and parameters
- Workpiece configuration and roundness
- Centerless grinding machine errors and effect on roundness
- Measuring technology for geometry
- Force, vibration, and chatter
- Regulating wheel profile for infeed and thrufeed grinding
- Grinding wheel profile
- Design of tooling: cams, workrest blades
- Thermals and set-up stability
- Infeed grinding of stepped work pieces
- Thrufeed grinding of rollers, pins, and short shafts
- Thrufeed bar grinding
- Thrufeed grinding of under square workpieces (bearing races, valve seats, etc.)
- Application of correct regulating wheels
- Centerless grinding process design
- Advance CBN technology

Hands-on Session:

- Preventative Maintenance
 - Slide and dresser gib adjustments
 - Reg spindle bearing adjustment
 - Zero recalibration of grinder
- Setting height above center
- Setting feed angle and regulating wheel truing angle
- Truing grinding and regulating wheels
- Setting grinding gap in thrufeed grind
- Adjusting the swivel plate for taper
- Setting guides in thrufeed grinding
- Sample Grind and set-up correction

You will Receive:

- Centerless Grinding Technology and Practice Handbook.
- Access to online service to assist in calculating setup parameters for your operation.
- Lunch provided by CRI
- Discounted hotel rate (contact Michelle at CRI for more information)

The duration of the training program is three days. One day for classroom and one-and-half days for hands-on. Class size limited to 25 students

Dates: October 18th-20th
Price: \$995 per person

Classroom Training Location:

Fairfield Inn & Suites
45800 Marketplace Blvd.,
Chesterfield, MI 48051

Registration:

Please email Michelle at michellek@centerless.net. To register, you will need to provide: company name and address, participant's name, and email address.

Cancellation Policy:

Full refunds will be issued for cancellations received in writing by e-mail: michellek@centerless.net

Cancellations within three days of the event (includes no-shows) are not entitled to a refund of any portion of payment for the event.