kennametal.com

KENNAMETAL®

KNOWLEDGE CENTER

KNOWLEDGE CENTER INDIA

Presents

e-MCAE

e-Learn Metal Cutting Application Engineering Courses

- Fundamentals of Metal Cutting
- Advances of Turning
- Advances of Milling
- Advances of Hole Making

ABOUT : e-MCAE COURSE

KENNAMETAL®

Learn the science behind Metal Cutting in depth, right at the comfort of your place. Our courses are product independent, detailed and yet easy to understand. They match a valuable mix of theory and best practices paired with the latest manufacturing and tooling strategies and developments.

Our e-MCAE program is intended to provide state-of-the-art information to the Planning Managers, Production Managers, Industrial Engineers, Tooling Engineers, Process Engineers, Shop Supervisors, Technical Specialists in machining, manufacturing engineers, process engineers, machine shop supervisors and technical specialists in machining.

Training Language	:	**English**
Training Mode	:	**Online Webinars**
Training Aids	:	**Live interactive presentation, with animations & videos, Q&A, 1:1 Video Chat and online test.**
Training Duration	:	**2 Hr/Day, Weekly 2 webinars, till end of course.**
Participations	:	**On first come first serve, through online Registration.**

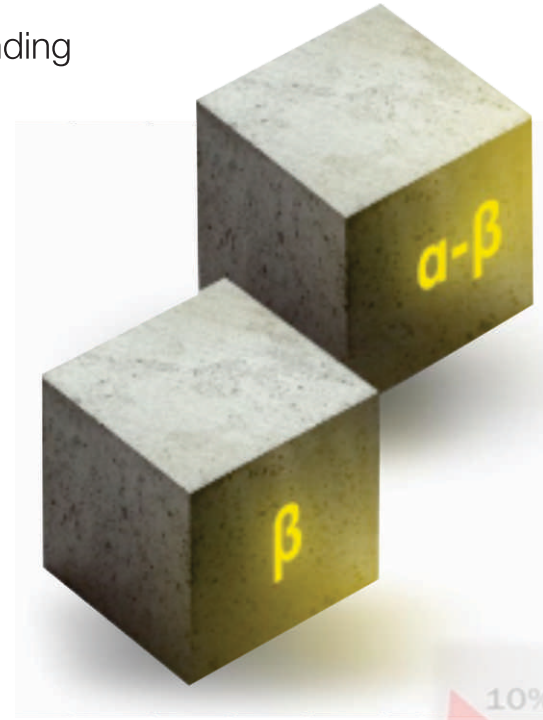
Pre-Requisites for Training.

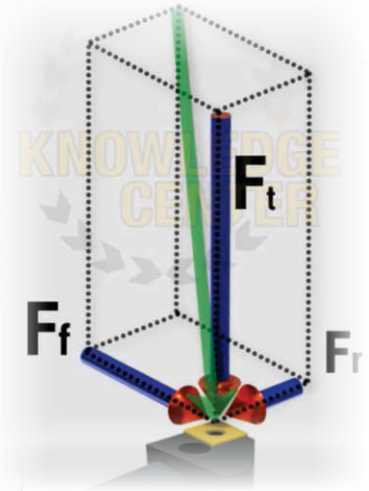
- We recommend Laptops / Desktops / Mac-Book / iPad with latest OS.
- For better flaw-less Webinar experience, minimum of 2mbs Internet speed is recommended.
- Wired internet will give more connection stability.
- A quiet & well ventilated space, with comfortable seating at your Place

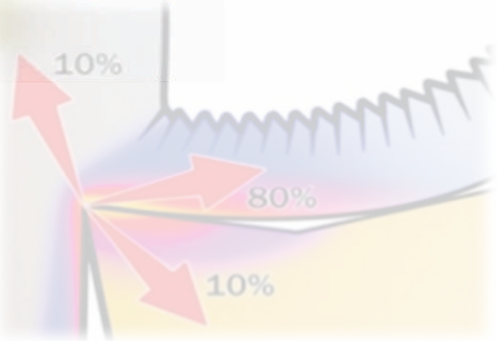
COURSE MODULE

e-MCAE : Fundamentals of Metal Cutting

Kennametal's e-MCAE Fundamental is designed for detailed understanding of the Mechanics of Metal Cutting processes.







The participants will get clarity & deeper Knowledge on

- Mechanics of Metal Cutting.
- Selection of right Cutting Tools.
- Identification of Tool Geometry & its effects.
- Workpiece Materials Types & Machinability.
- Cutting Tool Materials & it's selections criteria.
- Cutting parameters & it's effects.
- Cutting Tool's handling & Maintainances.
- Analysis of Tool Life, Wear & Indexing criteria.
- Live Workshop & Online Tests

Course Duration : ~12hr +Q&A (2.0 hr/day, 8 Online Class)
Note: It's a compulsory topic and gate-way to all other KC courses.

FUNDAMENTALS ARE FOUNDATIONS

COURSE MODULE

KENNAMETAL®

e-MCAE : Advances of Turning

Kennametal's e-MCAE Advances of Turning is well designed for deep understanding of all turning operations & for improving productivity & Tool Life.

Our Experts will explain below in a detailed approach on

- Importance various types & standard of Turning Tools.
- Turning application types & identification System.
- Lead, Rake & clearance and their effects.
- Mechanism of chip breaking theory in Turning.
- OD, ID & Face Turning, Parting, Grooving & Threading.
- Turning quality aspects & improvement techniques.
- Parameter & calculations for all turning tools.
- Turning case study examples & live workshops.

Course Duration ~12hr +Q&A (2.0 hr/day, 8 Online Class)
Note: It's optional, but we suggest to attend after e-MCAE Fundamentals

TURNING MAY NOT AS SIMPLE AS YOU THOUGHT.

COURSE MODULE

KENNAMETAL®

e-MCAE : Advances of Milling

Kennametal's e-MCAE Advances of Milling designed by our Milling experts team, to suite our customers needs in a simpler ways. Participants will get an exposure & clarity on :

- Milling operations & tools.
- Indexable & Solid carbide milling geometry & its effects.
- Chip formation in milling & its effects.
- Milling tool selection in various applications.
- Milling quality aspects & improvement techniques.
- Machining strategies.
- Selection of right parameters.
- Tool Holding Systems & Fixtures.
- Milling case study examples & live workshops.

Course Duration : ~15hr +Q&A (2.0 hr/day, 9 Online Class)
Note: It's optional, but we suggest to attend after e-MCAE Fundamentals

MILLING NEEDS STRATEGIC PLANNING

COURSE MODULE

e-MCAE : Advances of Hole Making

Kennametal's e-MCAE Advances of Hole Making will address all the needs.
Our Expert Faculties will explain on

- Scientific approach of chip evacuation in hole-making.
- S/C Carbide drills, Modular drills & Indexable drills.
- Hole Finishing, Reaming, Thread Milling & Tapping.
- Types and its usages.
- Life & quality improvement techniques.
- Tool wear analysis in drilling & its remedies.
- Case study examples & live workshops for each.

Course Duration : ~15hr +Q&A (2.0 hr/day, 9 Online Class)
Note: It's optional, but we suggest to attend after e-MCAE Fundamentals

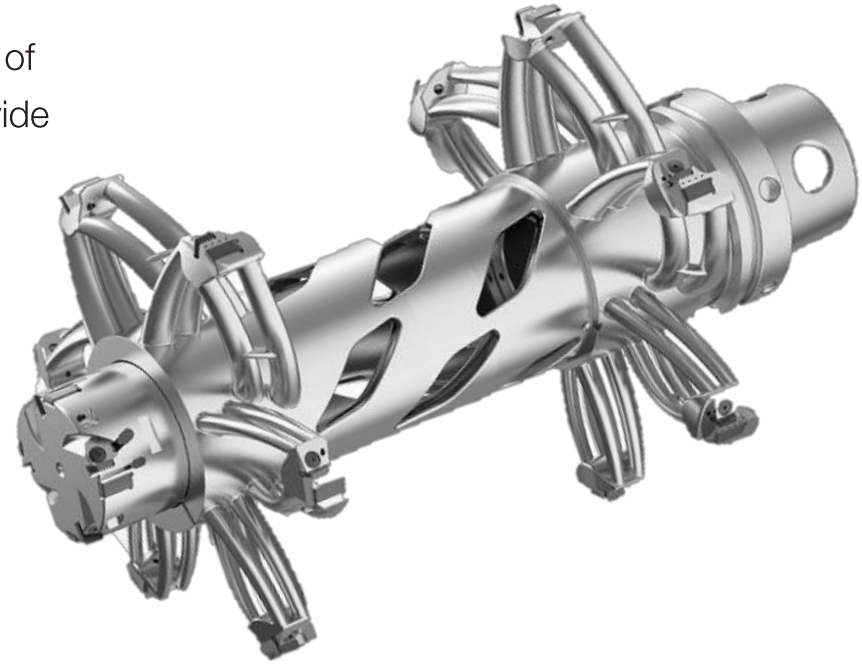
HOLE-MAKING OPERATIONS ARE MOSTLY CRITICAL & EXPENSIVE.

COURSE MODULE

e-MCAE : Specialized Course

We address the specific needs of the technical training requirement from our customers as in, the training will be completely customized with the intent of meeting the organization's scope of subject and their needs.

This Metal Cutting course will be dedicated to serve the niche aspirations of our customers about the kind of technical training that they intend to provide to their employees.



Here are the ways we can help you arrange these trainings.

- Fully customized course –online tailor made course.
- Segment wise courses based on customer demand.
- Suitable on customer's date and time.

Please contact us or our Sales team to serve you better.

Note: We suggest to attend this course after e-MCAE Fundamentals

EVERY ORGANIZATION MAY HAVE A DIFFERENT NEED.

TRAINING BENIFITS

Cutting Tool Knowledge is the key for success to the metal working companies. Both participants & organization will get benefited.

e-MCAE is designed to provide our business partners with the required metalworking knowledge to effectively :

- Achieve operational excellence.
- Accelerated time to market
- Improve productivity
- Improve process capability
- Improve work efficiency.
- Improve problem solving skills.
- Develop new components.
- Develop Technical Skills.
- Reduce Machining Costs
- Reduce Tooling Cost.
- Reduce Rejections Rate.

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For registration Scan the above QR Code or visit the below link.
Registration Link: CLICK ME