



## Basic Seminar III

### Basic Seminar III for machine tool design

**Target group:** Engineers, technicians, foremen, designers, qualified personnel from planning and design

**Objective:**

- Introduction to tool and forming techniques
- Machine and tool planning
- Designing punching and forming tools
- Innovative working methods on BIHLER machines

**Contents of seminar:**

1. Basics of punching and bending technology, forming technology
2. Machine planning, machine structure
3. Feed units, feed-time reductions
4. Procedure and set-up of a tool design
5. Use of forming and special units
6. Producing movement by means of cams, eccentrics and NC-axes
7. Calculation of cams
8. Production of cams
9. Survey, computer-aided design

**Duration:** 4 days

**Seminar begins:** Tuesday, 08:00 a.m.

**Seminar ends:** Friday, 11:30 a.m.

**Attendance:** 5 to max. 8

**Prerequisite:** - none -