

# NEW NX6 FEATURES

## BIHLER SOFTWARE bNX

### B-TOOLS

#### Data plot&export – new

- powerful plot&export tool for NX native-data
- output formats: TIF, CGM, HPGL, PDF and also DXF, DWG, STEP and Parasolid
- interactive execution or elaboration in the batch process
- comprehensive configuration features

**List of coordinates:** extended feature detection

**Project assembly:** extensions for TCE environment

### ANALYSIS

#### Forming study

- material assignment to the entire assembly
- improved spring-back calculation

#### MADIS

- user-defined bending parameters (K factor, spring-back)
- functions allowing for easy multi-assignment within the individual assemblies

### KINEMATICS

#### Bihler standard parts selection system

- New machines: RM 40B, RM 40KS
- easy addition of customer standard parts

#### Timing chart

- user-definable running profiles:
  - definition with running profile editor or via Excel file;
  - can be saved to travel definition, dependencies can be created
- error message in case of curvature radius below zero
- subsequent insertion of a transmission ratio
- enhanced unit selection with favorites

#### Cam

- application of user-definable running profiles
- cam delete functions

#### Feed

- additional project details and new output format

### DIE DESIGN

#### Cutting force (roughly estimated)

- Prerequisite: flat blank or finished part (new)

#### Material requirements and cost - new

#### Tool layout

- all Bihler die-sets available

#### Strip progression

- flat blank nesting
- new punch types implemented
- strip progression with separating punch
- easier use of symmetrical punch contours
- calculation of cutting force with blank-holder force

#### Die-clearance optimization

- update status check

#### Study of punch lengths / Simulation

- new possibilities to calculate maximum pilot length and time for fixed strip and intermediate release

(subject to change without notice 09/09)