Tool Design Software and CASKA Arbor Set Up Software

We use the TKM Tool Design Software to calculate on a mathematical basis the necessary tools for your peripheral equipment. Given your machine-specific information and cutting tasks, you'll receive a tool set optimized in terms of quantity and dimensions for guaranteeing all defined thicknesses and strip widths.

CASKA (Computer Aided Slitter Knife Assembly) completes efficient tool utilization. Developed ourselves, this software provides a solution for the simple and fast determination of optimal arbor set up for various cutting applications on slitting lines.

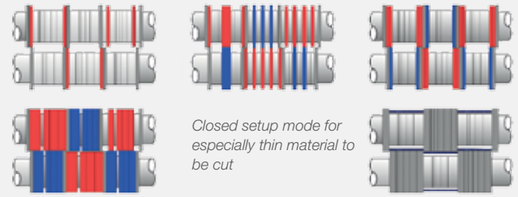
To minimize the checksum errors in the arbor set up, CASKA takes into account the classification of the tools according to the thickness tolerance range (–, 0, +) and uses the fewest possible components for the assembly, for significantly better quality of the cutting results. Fewer tools reduce the setup time and thus reduce the risk of set up errors.

CASKA can determine the assembly of up to six cutting frameworks and up to eight separator arbors simultaneously. Per cutting framework, up to nine independent slitting jobs (multiple setups) can be performed. This considerably speeds up arbor set up, since multiple (residual) coils can be cut from different materials and in different widths, with diverse cutting parameters – with no modifications required. Thanks to the wide variety of the predefined set up modes that have been proven their merit in many cutting companies around the world, special cutting tasks can be performed with CASKA (with the use of steel strippers, for example).

Prior to delivery, CASKA is configured with the key data on the particular slitting line and the corresponding tool stock. Any necessary customer-specific adjustments are made pertaining to individual tool sets, specific material data and processing parameters for the material to be cut, for example.

CASKA affords convenient management of slitting jobs and includes an interface for the automated import of data from other IT systems.

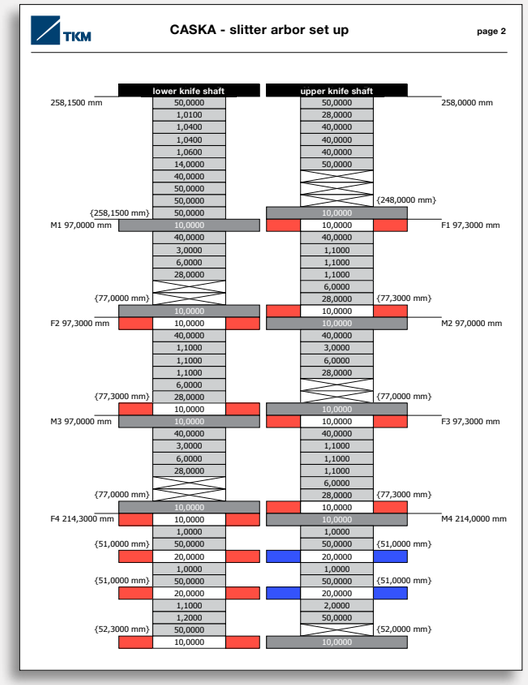
Operation of CASKA is very easy and can be learned in no time at all.



Open setup mode with stripper, lifting and support spacers

Closed setup mode for especially thin material to be cut

Special setup mode with steel stripper rings



Example of arbor setup printout

Advantages / Characteristics

- Optimal arbor set up for the highest cutting quality
- Reduction of setup time
- Improvement of service life of knives
- Prevention of set up errors
- Easy operation
- Interface with customer systems
- Efficient (residual) coil processing
- Several languages are available (expandable)

System Requirements

- MS Windows XP (SP3) or higher
- Usual hardware for Office applications
- Printer (color printer) recommended

TKM.
The Knife Manufacturers.