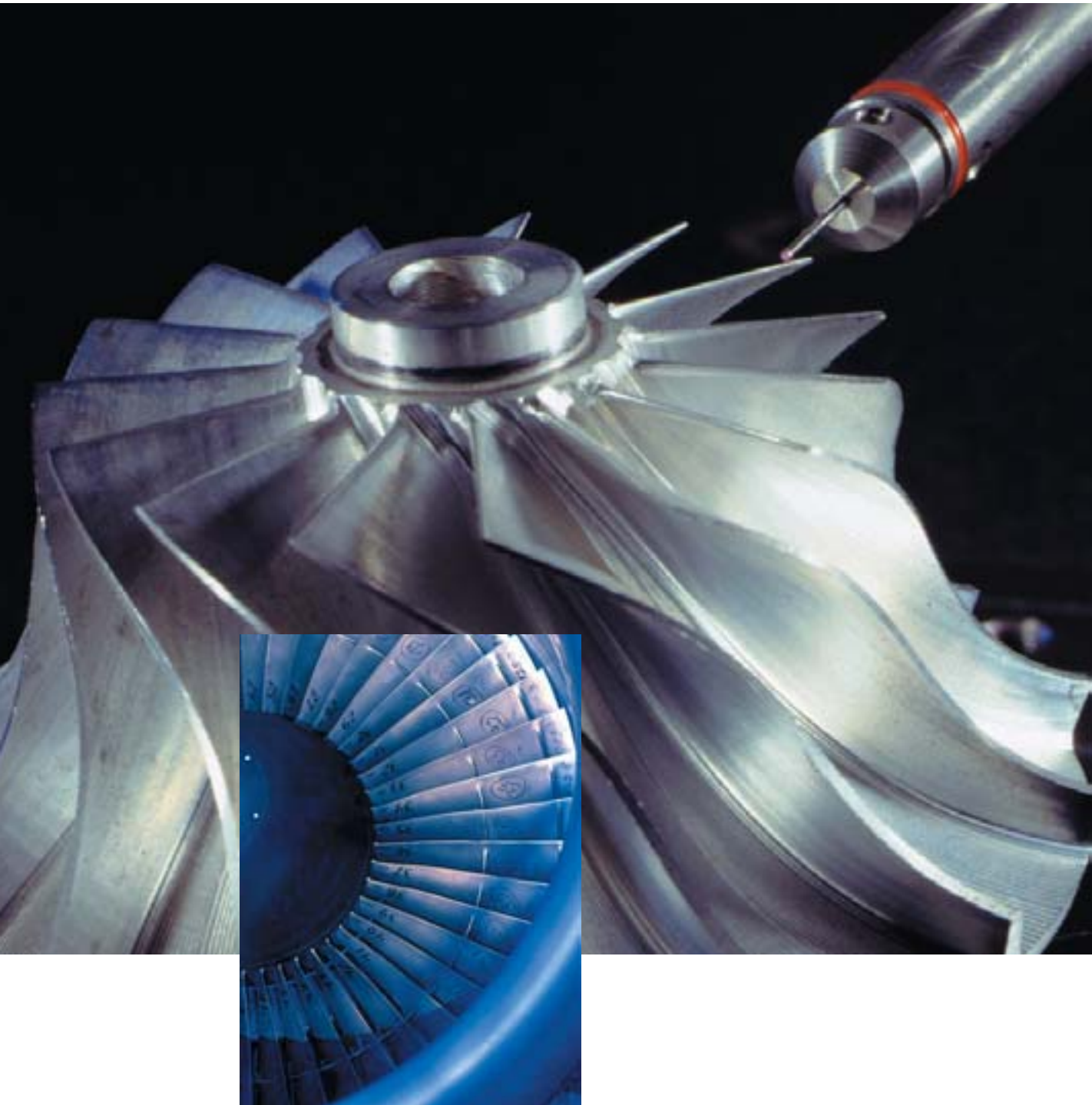


Blade^{Pro}

Efficient Evaluation of Turbine Blades



Blade^{Pro}



We make it visible.

Conveniently evaluate turbine blades with Blade^{Pro}

There are many different parameters and analyzing procedures available to evaluate the quality of turbine blades. Carl Zeiss gathered this information from several manufacturers during a comprehensive study. It provided the basis for the development of Blade^{Pro} software for the evaluation of turbine blade measurements.

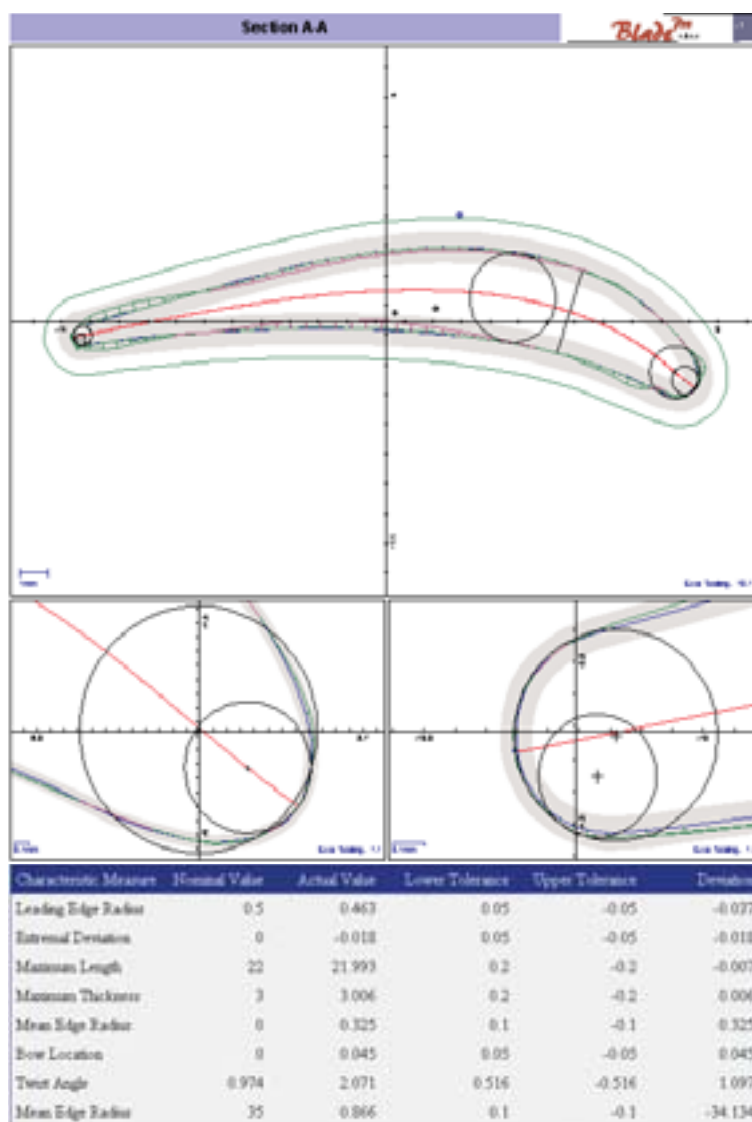
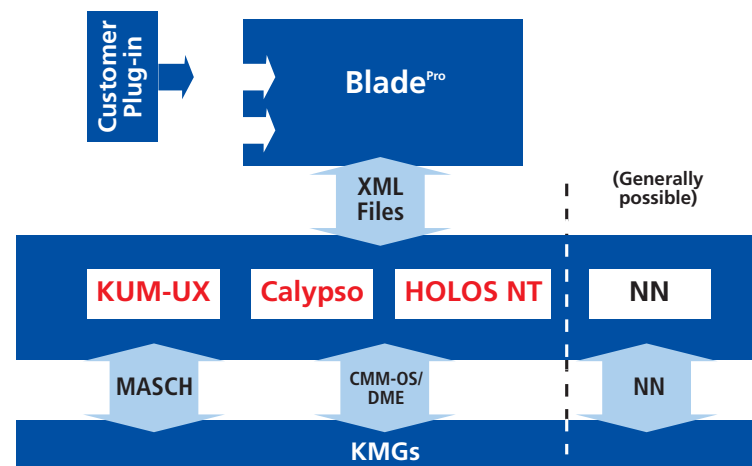
A state-of-the-art XML interface enables two-way communication between Blade^{Pro} evaluation software and your existing system.

Blade^{Pro} - key advantages

Blade^{Pro} determines an extremely wide range of blade parameters from the measuring results, such as:

- Form deviation of the blade profile
- Maximum blade length and maximum blade thickness
- Corner radius of the entrance and exit edge
- Thickness of the entrance and exit edge
- Blade thickness at any point of the nominal profile
- Torsion angle of the blade
- Blade length parallel to the chord line
- Profile waviness
- Batch point, center of gravity, mean line, etc.

Blade^{Pro} component concept



Blade^{Pro} - an overview

An algorithm patented for Carl Zeiss accounts for super-proportional length errors, enabling evaluation of tolerance-critical areas of entrance and exit edges.

Data exchange, data management

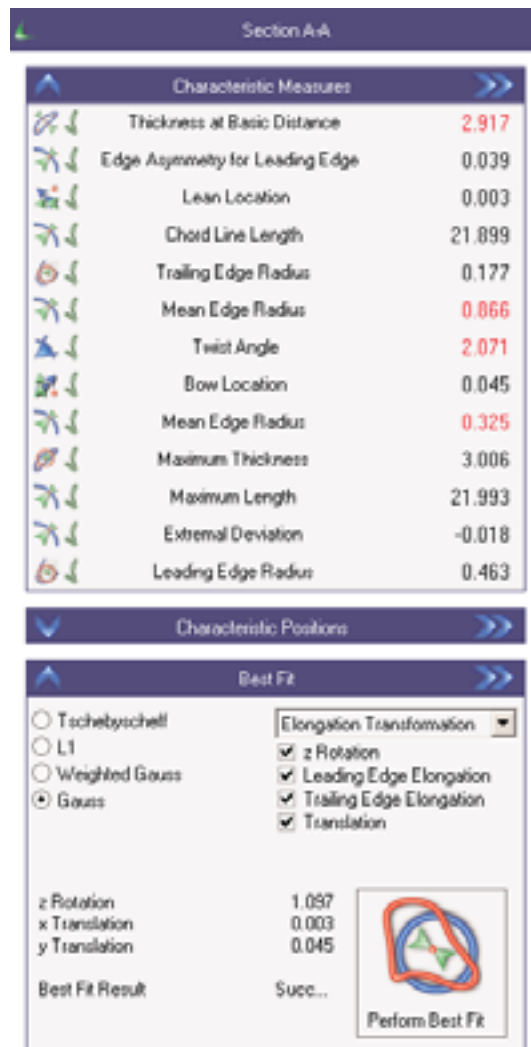
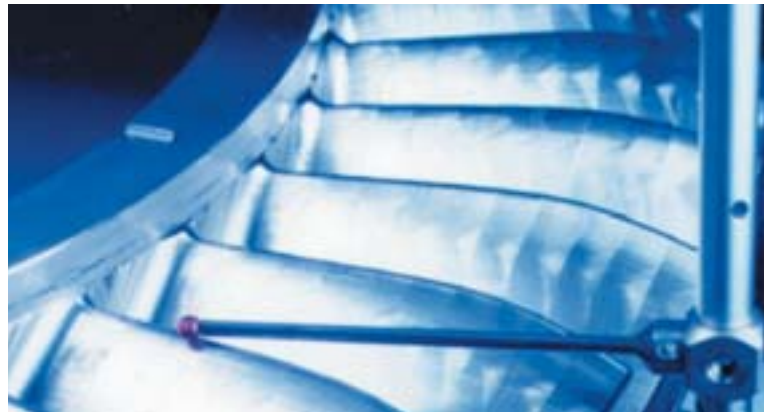
- Section-oriented evaluation aided by nominal data and measuring data from any measuring machine
- Flexible connection to measuring machines via XML file interface
- XML standard for data import and export

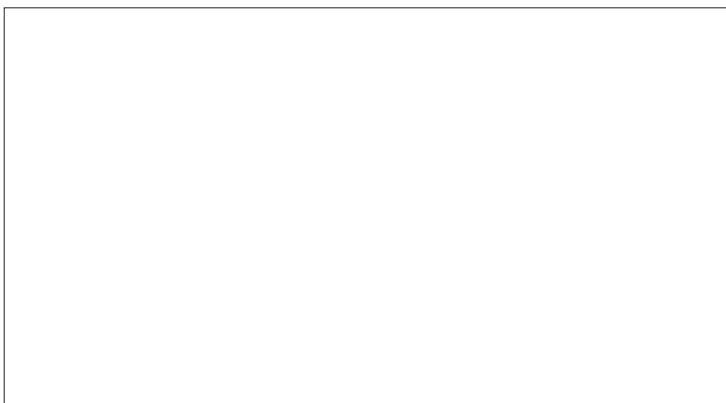
Graphical user interface

- Intuitive operation – based on standard Windows[®] applications
- Protocol options: graphic, text, XML, HTML
- Graphic protocol system: DIN A4 – A0 and corresponding ANSI formats
- Work interactively with protocol preview
- Flexible compilation and labeling of the sections of a document as a graphic
- Summarizing overview of several blade documents
- Free allocation of dynamic and static features for protocol identification

Adaptation

- Numerous configurations, e.g., graphic, print, data exchange, calculation
- Customized protocol forms and expansion of features





Carl Zeiss
Industrial Metrology
73446 Oberkochen/Germany
Sales: +49 1803 336 336
Service: +49 1803 336 337
Fax: +49 7364 203 870
E-mail: imt@zeiss.de
Internet: www.zeiss.de/imt

