

CyberFab® Manager

The ultimate CAPP solution for automating your production

CyberFab® Manager provides production management for MicroStep based manufacturing systems. In combination with the CAM software Asper® or mCAM it allows to automatically nest complex cutting orders and projects on assigned stock material and distribute the cutting tasks to assigned cutting machines for processing. After completion, it automatically updates order progress and stock statuses.

The suite also provides tools to control the complete process of manufacturing parts and assemblies in a single integrated system, by managing next operations such as bending, deburring, welding or others that are required within the same project. It helps to reduce the need for operator input, reduce work-in-progress and save material.



Plasma

Oxyfuel

Laser

Waterjet

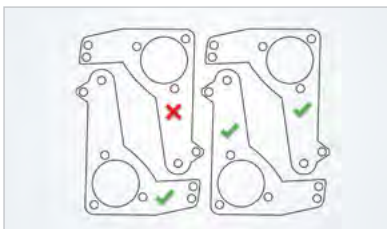
Management of the complete process



The module **Workstation Manager** provides tools to control the complete process of manufacturing parts and assemblies:

- operators on workstations downstream of the cutting process (a press brake, a saw, a deburring machine...) receive task lists with processing instructions and information on parts flow
- tasks are either displayed on a screen, or can be directly interfaced to other smart equipment
- completed operations are logged to ensure the production database is up-to-date at all times

Feedback on finished and defective parts



After finished cutting, the operator or quality controller checks the cutting results and has the option to mark any imperfect part as defective. CyberFab® Manager will then automatically include this part into the next nesting with the highest priority so that the order can be completed at the nearest opportunity.

Administration of cutting orders and stock supplies



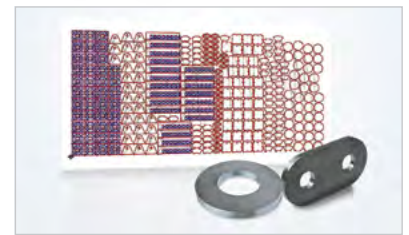
CyberFab® Manager greatly automates the processing of cutting orders. Even complex orders or projects can be executed automatically based on priority, material type and thickness. The process will flexibly adjust according to availability of material – CyberFab® Manager can be directly interfaced to existing stock management system. If there is not enough material available for a particular order, the system will notify the responsible person to order the required amount.

Order evaluation and reporting



CyberFab® Manager provides an overview of all orders and stores all relevant production information such as material utilization, cutting data and order completion. These data can be compiled into custom reports, displayed in dashboards or interfaced to any upper-level system via CyberFab® Connect.

Fully automatic nesting and processing of cutting plans



For cutting machines equipped with MicroStep's control system and CAM software Asper® or mCAM, individual parts of a cutting order are automatically nested on their assigned material blanks. Depending on priority and availability of material, orders with more pressing deadlines are processed first. The generated cutting plans are distributed automatically – the operator on a cutting machine will see only the orders that are assigned to the particular machine.

CyberFab® Manager Lite – ideal for smaller businesses



The majority of CyberFab® Manager's benefits at a reduced rate: the "Lite" version is a powerful option especially for businesses with smaller production setups who look for smart cutting automation. It provides all functions of the full version like stock management, order management, automated nesting from multiple orders, operation history and reporting, with a few trade-offs: after cutting, the order and stock statuses need to be updated manually by the machine operator, and there is no interfacing to customer's ERP system available.