



# Machines and plants for the door and frame manufacturing

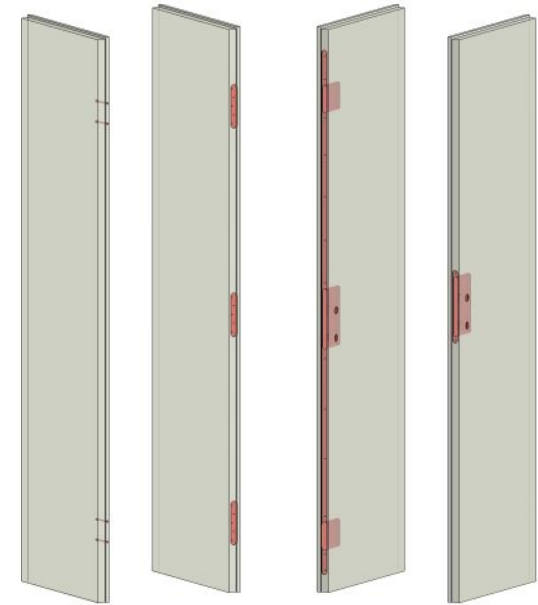
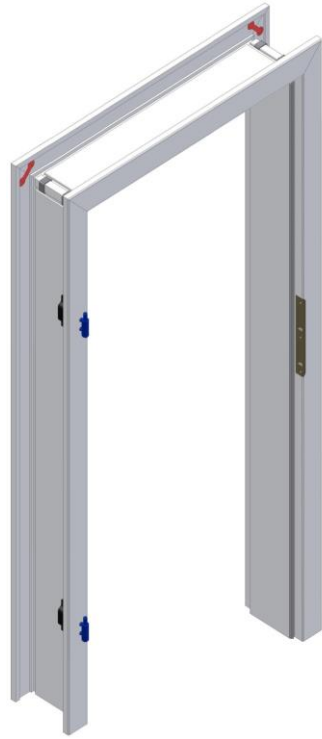


## Our one-stop service with more than 30 years of experience

- From the individual machine up to the complete production plant
- Projecting, realization and implementation

### For the range:

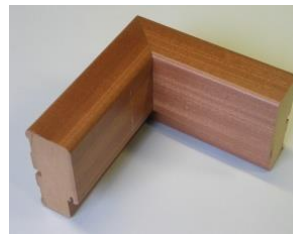
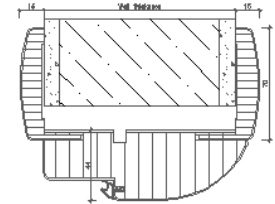
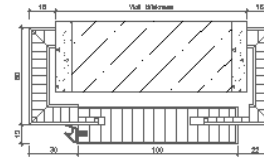
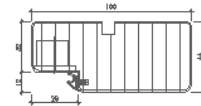
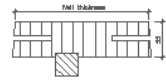
- Handling of components
- Treatment like shaping - sawing - drilling
- Installation of fittings
- Packaging and stocking
- Communication with ERP system and master control
- Service





## Requirements to an efficient and flexible production line

- Production of various constructions, cross sections and edge joints preferably on one line
- Close communication with the ERP system
- Individual expansion and extension
- High degree of automation
- High repeatability





## Automatic fitting unit ZFB 15

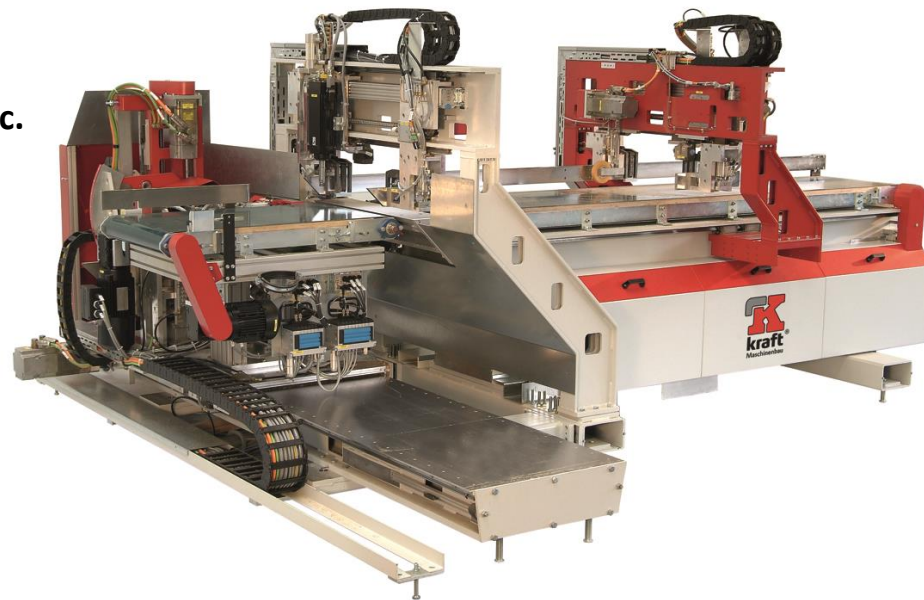
- CNC controlled single and line machine
- Individual mounting of aggregates
- Processing interpolating on 3 areas
- Versions with 2x3 and 3x3 axes
- Measurement device for rebate sensing
- Workpiece transport with rebate support





## End treating plant ZBA 16

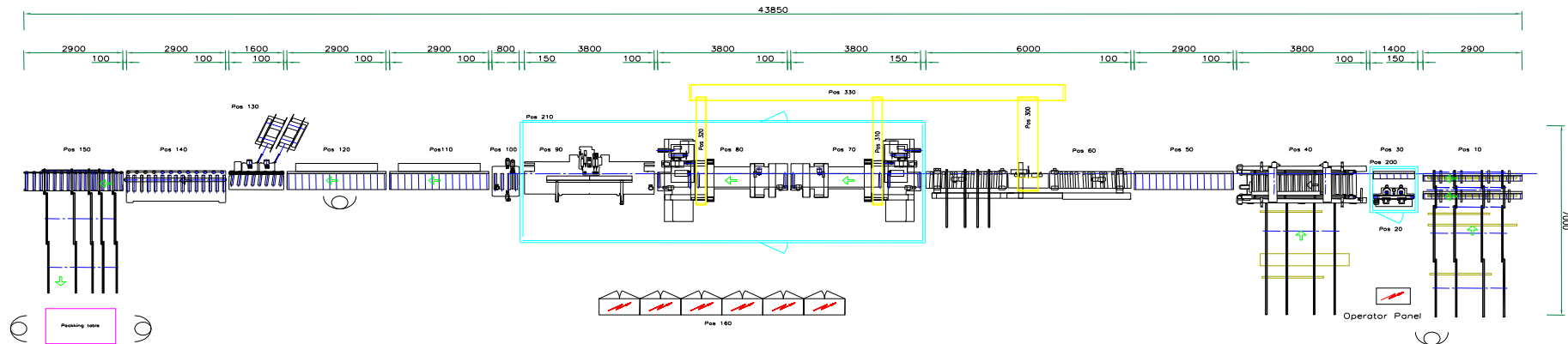
- CNC controlled circuiting saw 45° / 90°
- Individual mounting of aggregate for lamello and clamped material, drillings for connection fittings, etc.
- Processing of different frame cross sections possible
- Workpiece transport with rebate support, etc.





# End treating plant ZBA 16

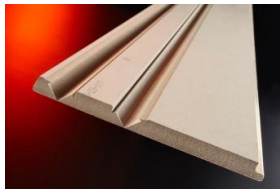
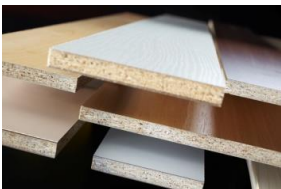
## ■ Plant layout





## Folding plant Type FLS 400

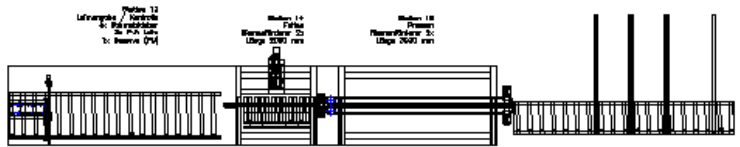
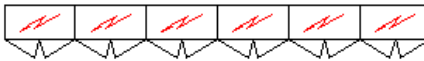
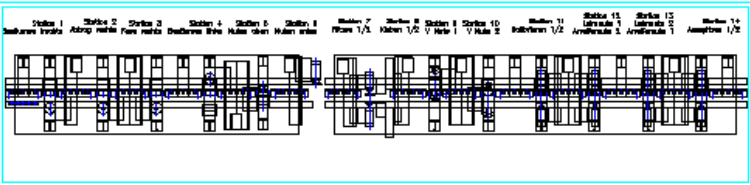
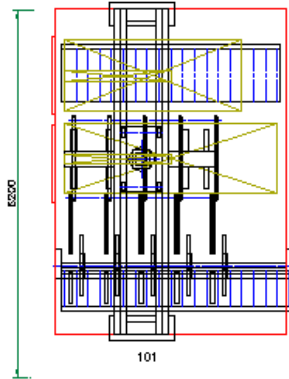
- Equipped automatically
- Modular individual aggregate system
- Lot size 1
- Setup time: 1 minute
- No equipping device necessary
- Core material like mdf, chipboard or cement fibre, ply wood and laminated wood, etc.
- Surface: raw, veneer, foil, CPL, HPL, lacquer
- All material specific offset values are held in the data set





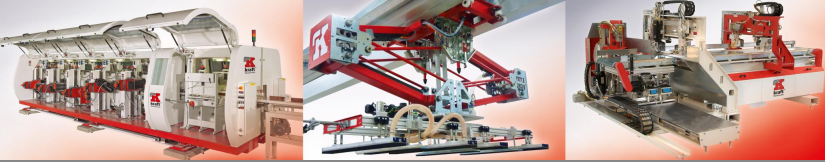
# Folding plant Type FLS 400

## Plant layout



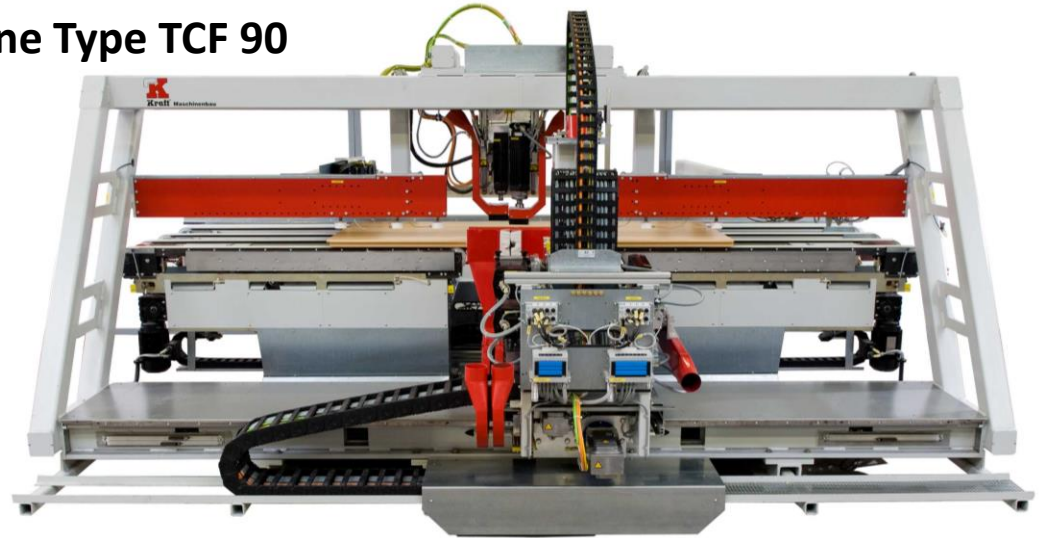
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## CNC automated multiple station machine Type TCF 90

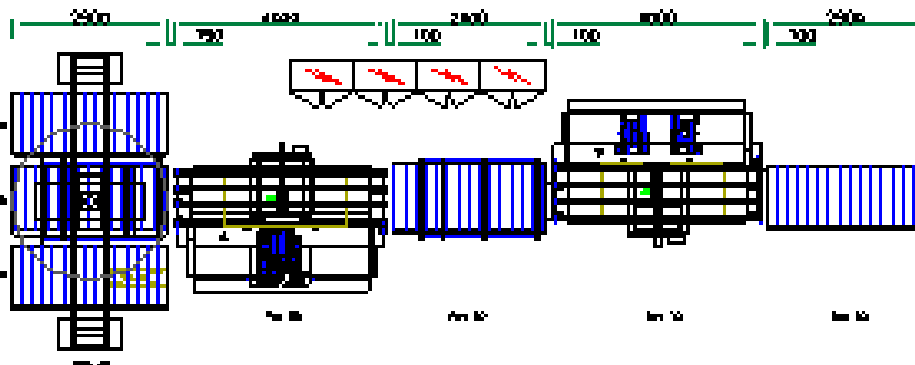
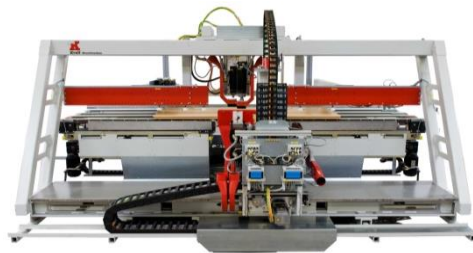
- CNC controlled milling and drilling of lock and hinge site
- High flexibility by modular, individual aggregate system
- Pre-drilling and drilling for screw in hinges, supporting bolts etc.,
- Milling of lock case and hinges etc.
- Processing interpolating on 3 areas
- Version with 2x3 and 3x3 axes
- Lot size 1
- Power adjustment by multiple station principle
- Measuring device for rebate scanning
- Processing of surface finished doors
- Fitting of screw in hinges





# CNC machining center type TCF 90

## ■ Plant layout





## CNC automated multiple station machine Type TCF 91, 2 stations

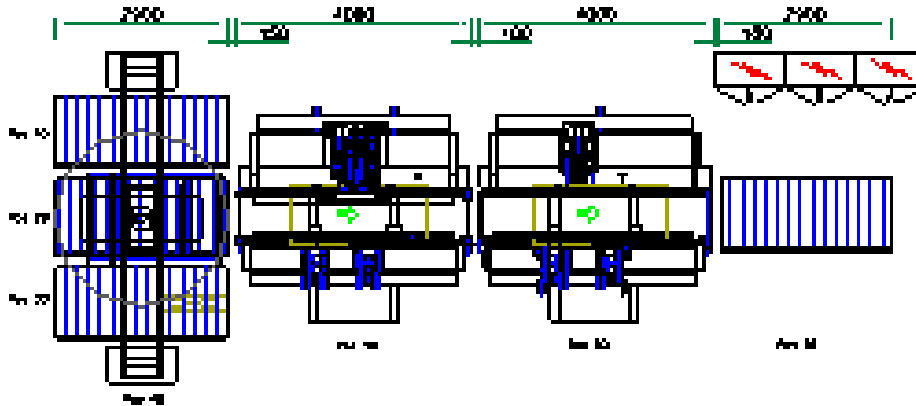
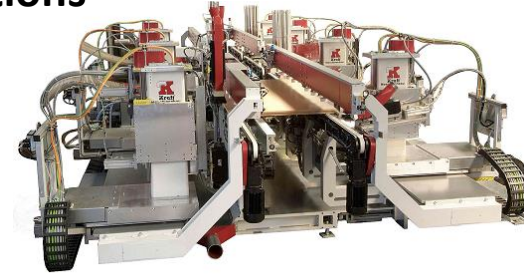
- CNC controlled milling and drilling of lock and hinge site
- High capacity with modular individual aggregate system and
- Multiple station principle
- Pre-drilling and drilling for screw in hinges, etc.,
- Milling of lock case and hinges etc.
- Precessing interpolating on 3 areas
- Processing of surfaced finished doors
- Fitting of screw in hinges
- Milling of spy hole
- Capacity: up to 4 doors / min.



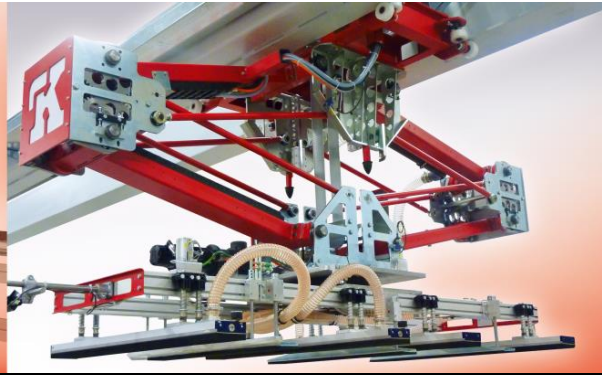


# CNC automated processing machine Type TCF 91, 2 stations

- Plant layout



# Specialist for individual mechanical engineering



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