

**AUTOMATION | DATA QUALITY | OPTIMISATION | SAVINGS**



**SYN WOOD**  
**BENDING TEST MACHINE**

# SYN WOOD BTM

- Automated bending test machine
- Patented system
- Simple operation
- MDF, HDF, OSB & chipboards
- DIN EN 310, ASTM D 1037, JIS A 5908
- Test results 24/7
- 15 samples per test



# ADVANTAGES



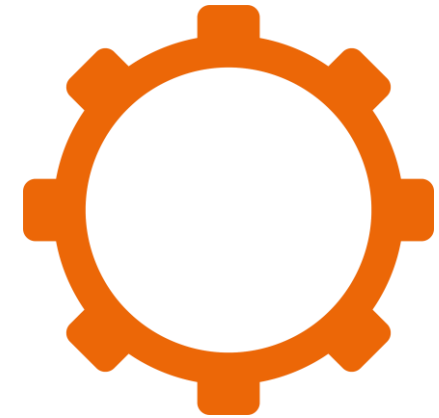
## COSTS

- Optimum use of raw materials
- Recognise errors early
- Avoid production stops
- Reduce rework



## QUALITY

- Automatic testing
- Constant quality control
- Complete traceability
- Optimise data quality



## EFFICIENCY

- 24/7 operation
- Reduce labour costs
- Minimise waste
- Sustainable production

# TECHNICAL DATA

## SYSTEM DETAILS

- Steel base frame  
with sound-insulated housing
- 4 600 x 1 500 x 2 300 mm
- 2 400 kg
- 400 V Supply voltage
- 50 Hz frequency
- 6 bar compressed air supply

## TEST SPECIMENS DETAILS

- MDF / HDF / OSB / chipboards
- 150 - 1 500 mm length (+/- 0,5 mm)
- 50 - 114 mm width (+/- 0,5 mm)
- 3 - 60 mm height (+/- 0,5 mm)

# OPERATION

- 1 Create new test
- 2 Select test standard
- 3 Select product
- 4 Enter sample thickness & sample width
- 5 Enter number of test specimens
- 6 Load magazine
- 7 Start test

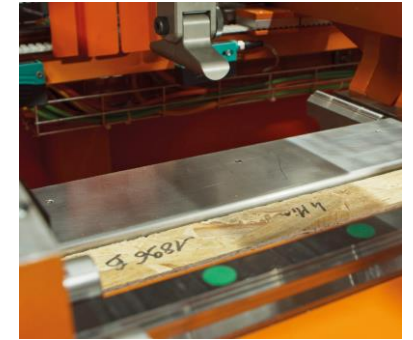


# OPERATING MODE

- Automatic adaptation to respective requirements
- Test specimen is guided to position of support points
- Width & height are measured
- Test specimen is positioned in test station
- Bending strength is tested
- Results transferred to the data system
- Fragments are fed into collection container



Loading



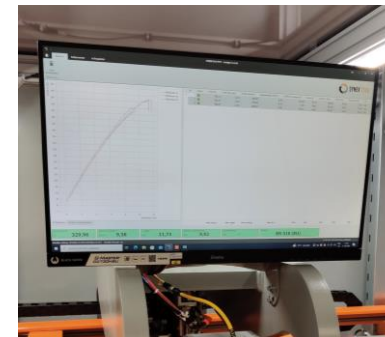
Feeding



Measuring



Testing

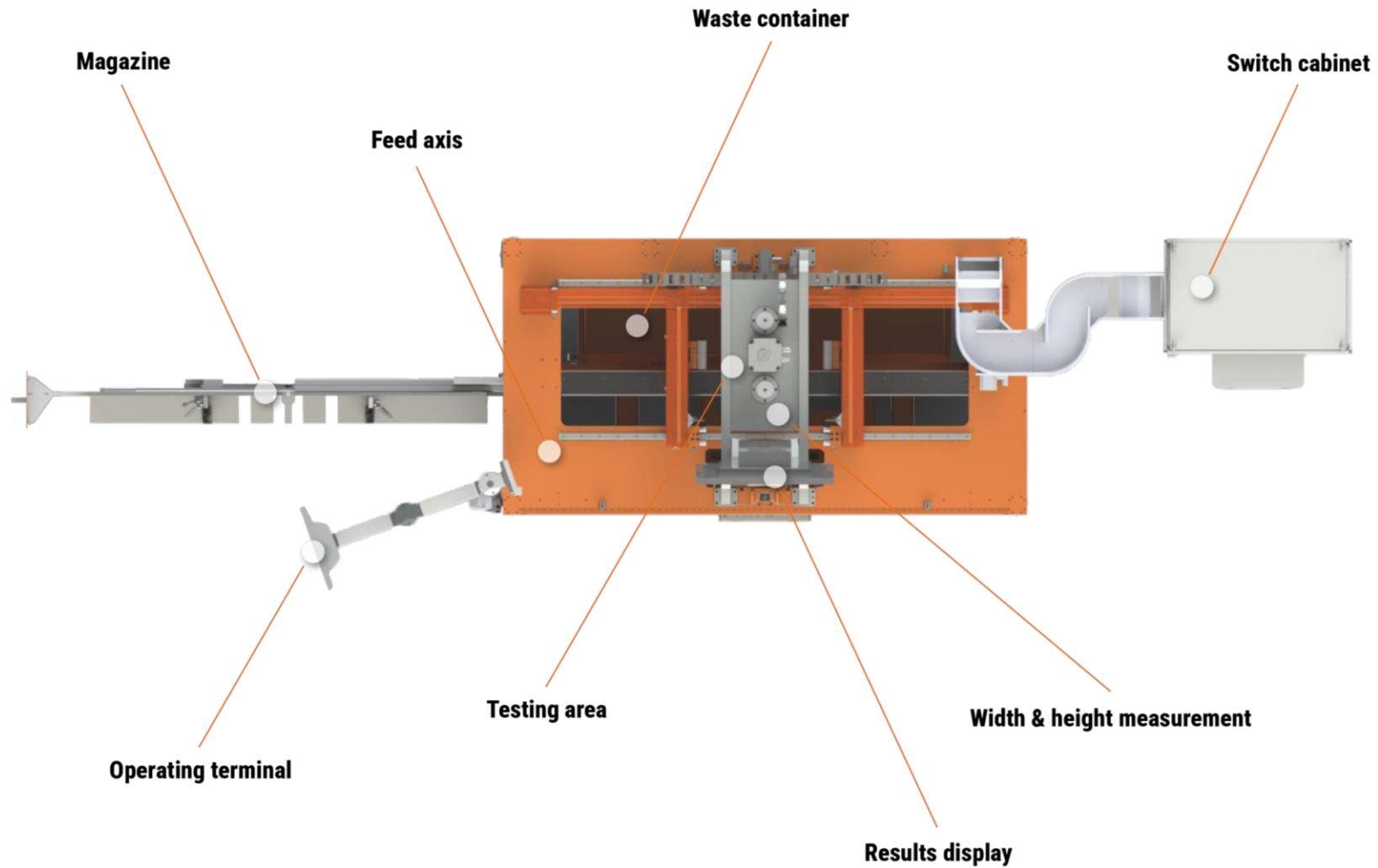


Visualising



Collecting

# DESIGN



# SYNEX TECH GMBH

- 2010
- Bad Goisern am Hallstättersee
- 50 employees
- Special mechanical engineering
- Automation
- Customised solutions for individual requirements
- Serial production (SYN WOOD, SYN AIR & DRILL-X)
- Wood-based material, EPS, metal, plastic, automotive



# REFERENCES

