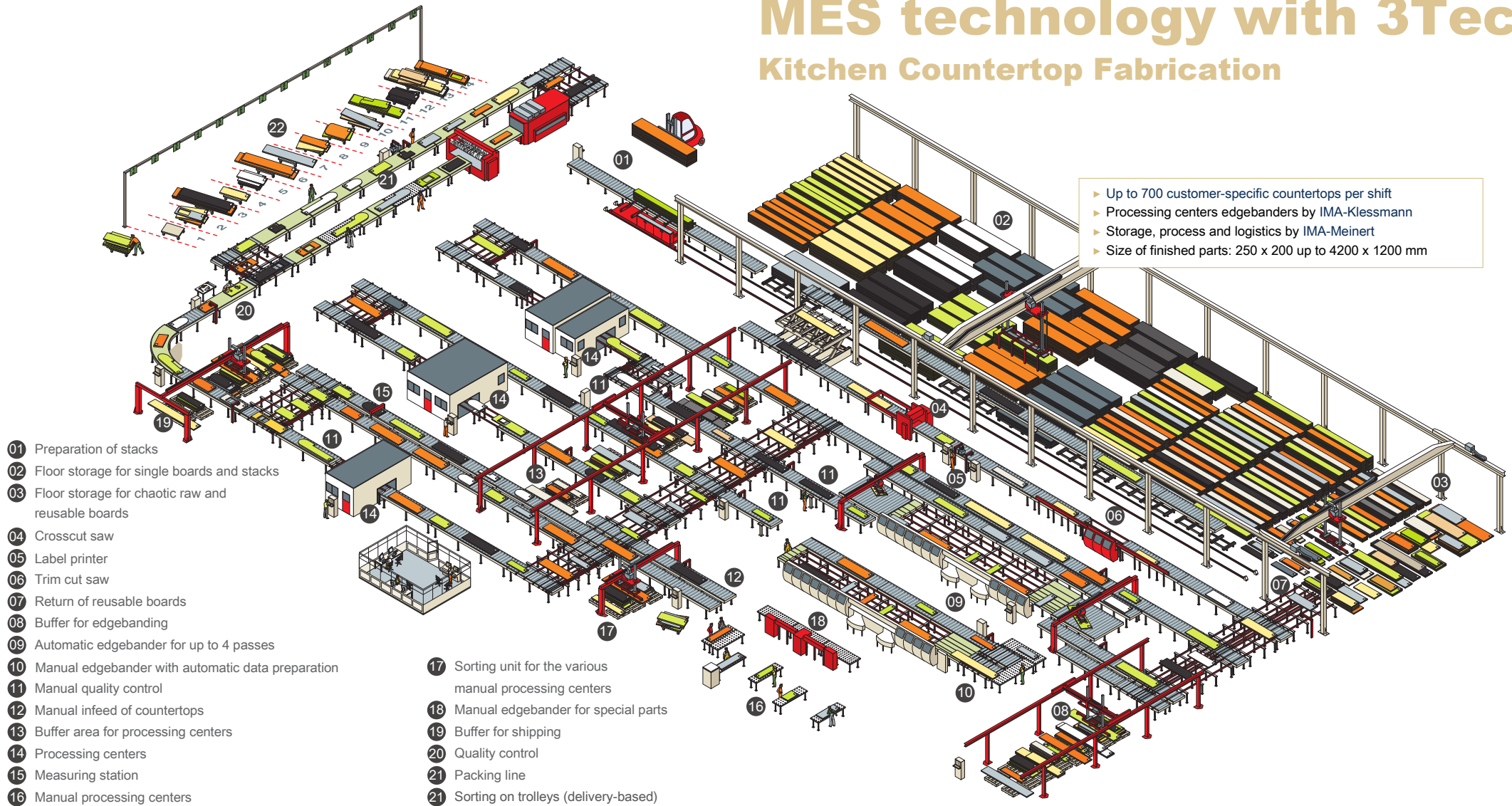


# MES technology with 3Tec

## Kitchen Countertop Fabrication



Automation | Information | Transparency

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**3TEC**

# MES technology with 3Tec

## Kitchen Countertop Fabrication

- **Automatic floor storage for raw boards, singly or in stacks**
- **Automatic floor storage for reusable boards,chaotic**
- **Crosscut and trim cut**
- **Labelling of component parts**
- **Intermediate buffer for processing centers, edgebanders and packing for building batches (Quick shots for current and next production cycle)**
- **Possible automatic destination change in case of machine failure**

### **Production data import and preparation**

- All data relevant to production is imported from the ERP system
- Production data stored in MS-SQL database
- Communication with cutting plan optimization
- Data preparation for edgebanders and processing centers
- Edgebander preview and edge material administration
- Handling of re-productions and quick shots

### **Control system**

#### **Warehouse management and control**

- Automatic floor storage (fast raw board infeed via stacks, stack building on tranverse trolleys)
- Automatic reusable board storage (chaotic)

#### **Material flow control**

- Tracking of individual parts
- Connections to production machines
- Labelling
- Monitoring via barcode scanning
- Measuring station (to check the exact width of processed parts to ensure an exact fit with a second part allowing free-standing corener connections)

#### **System-wide display elements**

- Control of display table showing the current day's production (sawing and packing)
- Quality control station at the packing line showing
  - drawing | decor (photos of top and edge)
  - size, including sizes after processing steps
- Operator guidance
- Diagnostics and error recovery