

## 1 COMPONENTS OF MECHANICAL EQUIPMENT (RELEASE 2024-01)

COMPONENTS	MANUFACTURER	KM	KO	QU
Drive motors (AC)	SEW, SIEMENS	X	X	X
	NORD, Wattdrive		X	
Drive motors for servo (AC/DC)	SEW,	X		
	LENZE			X
Small-power motors	SEW, SIEMENS, Nord	X		X
	Wattdrive		X	
Actuators (DC) (with potentiometers)	ELERO		X	
Actuators (DC) (with position encoders)	Siko	X		X
Actuators (AC)	AGS		X	
Electric cylinders	SKF		X	
Mechanical variable-speed gear units (for belt humidifier)	Planetroll	X		
Spindle-type lifting gears/-lifting systems	Grob	X		
Pull-type gas traction springs, dampers	ACE	X		
Rotary joints	Haag&Zeissler	X		
Bearings	INA, SKF		X	
Linear guides	Franke, Bosch-Rexroth		X	
Conveyor belts	Ribes, Farbo, Siegling, Habsit	X		
Rod network belts	Märtens	X		
Wire-mesh belts (oven)	Schulz-Drahttechnik, Steinhaus		X	
Hydraulic systems (band tensioning unit for oven)	Power Hydraulik		X	
Hydraulic system	Hawe	X		
Lubrication systems	Woerner	X	X	X
Radial fans (for blowing device)	ruwu	X		X
Fan for circulation	Fima, Antewa		X	
Fan for baking chamber and steam	Gebhardt, Fima		X	
Peristaltic pumps (for egg-wash device)	Petro Gas Berlin	X		
Vibratory sprinkler	Hensle	X		
Roller brushes (for egg-wash device)	Mink, Kullen	X		
Metal detectors	S+S	X		
Pneumatic system	Festo	X	X	X
Control valves (steam)	SIEMENS STEAFA, CONAIR			X
	RTK		X	
Thermocouples	Broeckskes, Jumo		X	
Temperature and humidity sensors	Galltec			X
	Vaisala, 3S		X	
Flow meter for steam	Yokogawa		X	

Position transducers	Novotechnik	X		
Rotary encoders	TR Electronic	X		
Incremental rotary encoders	P&F		X	
	SEW	X		X
Safety switches	Pilz	X		X
Scales & hand wheels	Siko	X		
Fastening elements for control panel (support arms, pedestals, etc.)	Rittal	X	X	