

Released suppliers

I. Drive components:

1. Couplings / clutches, clutch and brake combinations
2. Drive motors
3. Safety brakes
4. Pumps (axial piston pumps, power controlled)

Regular supplier

ORTLINGHAUS
SIEMENS, auch Siemens Lizenzaggregate
ORTLINGHAUS
BOSCH-REXROTH

Alternative supplier

DESCH, GOIZPER
OSWALD, BAUMÜLLER
GOIZPER
PARKER

II. Hydraulic- and greasing system

1. Filter and elements
2. Lubricant oil distributor
3. Hydraulic aggregates (purchased as a complete sub-assembly)
4. Measuring connections
5. Pipe screw connections (only up to 30 bar)
6. Hose screw connection (only up to 30 bar)
7. Pipe screw connections (above 30 bar)
8. Hose screw connection (above 30 bar)
9. Pressure vessels
10. Pumps (gear wheel or vane cell pumps)
11. Valves
12. Filling valves
13. Clamping hydraulics

Regular supplier

HYDAC
WÖRNER
BOSCH-REXROTH
SYSTEM MINI-MESS
ERMETO
ERMETO
System SAE Flanschverschraubung
System SAE Flanschverschraubung
HYDAC
BOSCH-REXROTH
BOSCH-REXROTH
BOSCH-REXROTH
HILMA-RÖMHELD

Alternative supplier

MANN & HUMMEL, BOSCH-REXROTH
TRABON, VOGEL
HYDAC
VOSS Hydraulikverschraubungen
Ringaugenverschraubungen, Dichtkegelnippel,
VOSS Hydraulikverschraubungen
BOSCH-REXROTH
PARKER, BUCHER
MOOG, PARKER, HAWE, VICKERS
HAWE, VICKERS
LUKAS, OPTIMA, BERG

III. Adjusting and safety components

1. Spring shock absorber combinations (press mounting with vibration damping)
2. Photoelectric safety barriers
3. Safety relevant components

Regular supplier

GERB
SICK
PILZ

Alternative supplier

KTI, BILZ
SIEMENS
SIEMENS, TELEMECHANIQUE

IV. Control, visualization and

Operating components for preses without transfer system

1. PLC units
2. Operation and monitoring and visualization

Regular supplier

SIEMENS ab S7-300
SIEMENS (WIN CC FLEX), SIEMENS TIA Portal

Alternative supplier

VIEPA

V. Control, visualization and

Operating components for preses with transfer system

1. Control unit
2. Operating and monitoring and visualization
3. Diagnosis and remote maintenance (VPN remote maintenance)

Regular supplier

SIEMENS (SIMOTION)
SIEMENS (WIN CC), SIEMENS TIA Portal
EWON

Alternative supplier

BECKHOFF
EUROGARD

VI. Coil remnant feeder

1. coil remnant feeder

Supplier

ARISA S.A., SCHULER, NEUHÄUSER

VII. Transfer sysem and components

1. Transfer systems
2. Transfer drives
3. Sensors

Supplier

ARISA S.A., SCHULER-WEINGARTEN, SANDER, GPA, SAPI, DREHER, STROTHMANN, AP&T
SIEMENS, INDRAMAT
TURK, KEYANCE

VIII. Coil feed lines

1. Coil feed lines

Supplier

ARKU MASCHINENBAU,
FECKER MASCHINENBAU, CISAM-IMPIANTI,
SCHULER-AUTOMATION, LASA

IX. Blank loaders

1. Blank loaders

Supplier

NSM-MAGNETTECHNIK, ARISA S.A.,
SAPI, SCHULER-AUTOMATION, DREHER, STROTHMANN, AP&T

X. Coil and blanks lubrication systems

1. Coil and blank lubrication systems

Supplier

RAZIOL, MICROJET, SCHMIDT, ECKHARDT