



LIST OF REFERENCES of test and measuring stands produced in 1991 - 2015

1991

1. Automated test stand with eddy-current dynamometer V 125N for internal combustion engine testing (2 test stands)
ČSAO Lučenec š.p., Lučenec, Czechoslovakia
2. Measuring equipment for brake adjustment
Letostroj Letovice n.p., Letovice, Czechoslovakia

1992

1. Automated measuring stand for arc welding machines testing
TRIODYN MEZ Brumov, a.s., Praha, Czechoslovakia
2. Test stand for washing machine motors testing
SIEMENS Elektromotory, s.r.o., závod Mohelnice, Czechoslovakia
3. Test stand with eddy-current dynamometer V 63 for internal combustion engines testing
ZŤS VVÚ Martin, a.s., Martin, Czechoslovakia

1993

1. Test stand for asynchronous motors testing
ROTOR B. V., Eibergen, The Netherlands
2. Test stand with asynchronous dynamometer ASD 5000
Vysoká škola báňská, Ostrava, Czech Republic
3. Test stand for diesel engines testing
INPRO a.s., Praha, Czech Republic, delivery for UPK KARAČAGANAK, Aksaj, Kazakhstan
4. Test stand for diesel engines testing
VFT KAMAZ, Naberežnyje Čelny, Tatarstan
5. Test stand for asynchronous motors testing
MEZ OLOMOUC – HOLICE, spol. s r.o., Holice, Czech Republic
6. Automated test stand for asynchronous motors testing (3 test stands)
ZSE MEZ Frenštát, s.p., Frenštát pod Radhoštěm, Czech Republic

1994

1. Test stand with asynchronous dynamometer ASD 3000 with manual control
NAREX, a.s., Česká Lípa, Czech Republic
2. Test stand for asynchronous and universal motors testing
SIEMENS Elektromotory, s.r.o., závod Mohelnice, Czech Republic

1995

1. Measuring stand for the tests of car alternators
MAGNETON, a.s., Kroměříž, Czech Republic
2. Automated stand for the tests of DC traction motors and generators
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
3. Test stand of high-speed gearboxes
První brněnská strojírna, a.s., Velká Bíteš, Czech Republic

1996

1. Measuring stand for the tests of AC aircraft generators
ČSA, a.s., Praha-Ruzyně, Czech Republic
2. Measuring stand for the tests of induction motors in series production
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic

1997

1. Measuring stand for the tests of single-phase electric motors
MEZ, a.s., Michalovce, Slovak Republic
2. Measuring stand for the tests of car alternators
ŠKODA Auto, a.s., Mladá Boleslav, Czech Republic
3. Test stand of induction motors with three eddy-current dynamometers and one control, measuring and evaluation device
WA MOTORS – TEMA s.r.o., Praha, Czech Republic - delivered to China
4. Test stand of induction motors with two eddy-current dynamometers and two control units
WA MOTORS – TEMA s.r.o., Praha, Czech Republic - delivered to Australia

1998

1. Extension of the existing test stand by the tests of aircraft DC starter-generators (dynamostarters)
ČSA, a.s., Praha-Ruzyně, Czech Republic
2. Innovation of the development testing laboratory of induction motors – modernization of stands with dynamometers
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
3. Development testing laboratory of electric tools
NAREX, a.s., Česká Lípa, Czech Republic
4. Extension of the development testing laboratory by the tests of AC traction motors and generators
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic

1999

1. Test stand of AC and DC traction machines in series production (at the output of the production line No. 4)
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
2. Extension of the existing stand for the tests of DC starter-generators
ČSA, a.s., Praha-Ruzyně, Czech Republic
3. Test stand for the tests of servomotors in series production
VUES Brno a.s., Brno, Czech Republic

2000

1. Test stand of AC and DC traction motors for the production line No. 2
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
2. Test stand for the tests of induction motors up to the power output 400 kW
Siemens Elektromotory s.r.o., závod Frenštát pod Radhoštěm, Czech Republic
3. Test stand for life tests of electric tools
NAREX, a.s., Česká Lípa, Czech Republic
4. Loading stand with ASD 3000 and control unit R 278 AC
EMP s.r.o., Slavkov u Brna, Czech Republic
5. Loading stand with ASD 3000 and control unit R 278 AC for education purposes
Elektropohony s.r.o., Frenštát pod Radhoštěm, Czech Republic

2001

1. Test stand for the tests of electric motors with dynamometer ASD 3000
FTZÚ Ostrava – Radvanice, Czech Republic
2. Loading stand for the tests of induction motors with eddy-current dynamometer 2VB 250 and control unit R 278 BC
Sun-Star Electric, Inc., Australia
3. Test stand of induction motors up to the power output 200 kW
Siemens Elektromotory s.r.o., závod Frenštát pod Radhoštěm, Czech Republic
4. Test stand for the diagnostics of electric machines up to the power output 50 kW
Nuclear power station Temelín, Czech Republic
5. Mobile measuring unit for the tests of induction motors up to the power output 15 kW
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
6. Test stand for the tests of servomotors in series production and for development tests
VUES Brno a.s., Brno, Czech Republic

2002

1. Test stand for the assembly line of axles of material handling trucks
Linde Pohony s.r.o., Český Krumlov, Czech Republic
2. Test stand of AC and DC traction motors up to the power output 5 kW operating in production line
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
3. Test stand for development tests of AC and DC traction motors and AC generators up to the power output 5 kW
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
4. Completion of the test stand for testing of motors with gearboxes with measurement of vibration
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic

2003

1. Extension of the existing test stand for life tests of electric hand tools
NAREX, a.s., Česká Lípa, Czech Republic
2. Test stand for development tests of induction motors up to 10 kW
The Academy of Sciences of the Czech Republic, Praha, Czech Republic
3. Reconstruction of the testing laboratory
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
4. Test stand for AC traction motors with gearboxes
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic

2004

1. Test stand for life tests of AC traction motors with power output up to 30 kW
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
2. Test stand of AC traction motors up to 20 kW integrated in the assembly line L1
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
3. Test stand of induction motors with power output up to 132 kW
R. Birkenbeul BmbH & Co.KG, Hamm/Sieg, Germany
4. Reconstruction of the test stand with eddy-current dynamometer - control unit R 278 BC
University of Defence, Brno, Czech Republic
5. Measurement unit ADAM for the tests of compressors
AEF s.r.o., Brno, Czech Republic, installed in SAUER Žandov, Czech Republic



6. Device for the measurement of the short-circuit characteristic of squirrel-cage motors in the range from 1000 Nm to 3000 Nm
Siemens Elektromotory s.r.o., závod Frenštát pod Radhoštěm, Czech Republic

2005

1. Test stand for the tests of DC motors and DC motors with gearboxes
SATREMA Int., a.s., Praha, Czech Republic
2. Test stand for life tests of DC motors and DC motors with gearboxes
SATREMA Int., a.s., Praha, Czech Republic
3. Test stand for testing electric rotating machines in the torque range up to 1,6 Nm and in the speed range up to 30 000 rpm with dynamometer ASD 2000-2-30
ATech elektronika, d.o.o., Slovenia
4. Test stand of AC traction motors up to 20 kW integrated in the assembly line
JULI Motorenwerk, k.s., Moravany u Brna, Czech Republic
5. Measuring stand for the measurement of cooling air quantity by means of Thomas Cylinder method in the range from 50 to 800 l/s
SIEMENS AG, Bad Neustadt a.d. Saale, Germany
6. Test stand for testing three-motors AC axis AK 20 integrated in the assembly line
Linde Pohony s.r.o., Český Krumlov, Czech Republic

2006

1. Test stand with asynchronous dynamometer ASD 44K-2 and frequency converter SINAMICS S150
Czech Technical University in Prague, Praha, Czech Republic
2. Test stand type DYNOFIT with asynchronous dynamometer ASD 10K-2
Brno University of Technology, Brno, Czech Republic
3. Accessories for testing DC motors on the test stand for life tests of traction motors
JULI Motorenwerk, s.r.o., Moravany u Brna, Czech Republic
4. Mobile measuring unit, HV supply and accessories
EMIT S. A., Zychlin, Poland
5. Test stand with asynchronous dynamometer ASD 3000
The Academy of Sciences of the Czech Republic, Praha, Czech Republic
6. Application software for additional losses of three-phase asynchronous motors measurement based on Eh-star method
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
7. Four test stands for assembly production lines
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic



8. Test stand for single motor axle-trees with GL4 motor
Linde Pohony s.r.o., Český Krumlov, Czech Republic
9. Test stand for inspection single tests of asynchronous external rotor motors
Rosenberg s.r.o., Klenčí pod Čerchovem, Czech Republic
10. Conversion software for measured data processing for asynchronous motors test stand with eddy-current dynamometer
ROTOR B. V., Eibergen, The Netherlands
11. Test stand for AC traction motors with gearbox RETRAK testing
JULI Motorenwerk, s.r.o., Moravany u Brna, Czech Republic
12. Test stand for cooling air quantity measurement by means of Thomas Cylinder method
Siemens Elektromotory s. r. o., závod Frenštát p. R., Frenštát p. R., Czech Republic

2007

1. Test stand for asynchronous motors with power output up to 200 kW testing
Siemens Elektromotory s.r.o., závod Frenštát p. R., Frenštát p. R., Czech Republic
2. Test stand for asynchronous motors with power output up to 500 kW testing
Siemens Elektromotory s.r.o., závod Frenštát p. R., Frenštát p. R., Czech Republic
3. Test stand type DYNOFIT "A" with dynamometer ASD 2000-2-40 and ASD 3000-4
FREESCALE Polovodiče ČR s.r.o., Rožnov pod Radhoštěm, Czech Republic
4. Test stand for electric wiper motors measurement and loading
SATREMA Praha Int., a.s., Praha, Czech Republic
5. Test stand for motors with power output up to 10 kW testing
Creusen Elektro-Mechanische Industrie B. V., Roermond, The Netherlands
6. Measuring stand with three asynchronous dynamometers for AC motors testing in the test laboratory
VUES Brno s.r.o., Brno, Czech Republic

2008

1. Drives for test stand in the hydraulic laboratory
AD TEC s.r.o., Brno, Czech Republic, installed in Hydraulic Research Center Blansko s.r.o., Blansko, Czech Republic
2. Test stand for turbines testing in the hydraulic laboratory
Hydraulic Research Center Blansko s.r.o., Blansko, Czech Republic
3. Production assembling line test stand for axle-trees testing (MB2)
Linde Pohony s.r.o., Český Krumlov, Czech Republic
4. Production assembling line test stand for axle-trees testing (MB4)
Linde Pohony s.r.o., Český Krumlov, Czech Republic

5. Test stand with asynchronous dynamometer ASD 500K-4, frequency converter SINAMICS S150 and control/measuring unit M 324
CELMA S. A., Cieszyn, Poland
6. Test stand for V-belt testing
FANAM s.r.o., installed in RUBENA a.s., Zlín, Czech Republic
7. Cogging measurement accessories for asynchronous motors with power up to 10 kW test stand
Creusen Elektro-Mechanische Industrie B. V., Roermond, The Netherlands
8. Magnetizing device S 054B
Creusen Elektro-Mechanische Industrie B. V., Roermond, The Netherlands
9. Series production test stand for noise measurement of TATRA truck axle-trees
Tatra a.s., Kopřivnice, Czech Republic
10. Laboratory test stand innovation
JULI Motorenwerk, s.r.o., Moravany u Brna, Czech Republic
11. Control unit R 278BC for eddy-current dynamometer V 250
Brno University of Technology, Brno, Czech Republic
12. Axle-tree assembling line innovation (MB1)
Linde Pohony s.r.o., Český Krumlov, Czech Republic
13. Test stand for traction motors testing
ŠKODA ELECTRIC a.s., Plzeň, Czech Republic
14. Assembly drive with asynchronous dynamometer ASD 220K-8, frequency converter and control/measuring unit
Siemens Electric Machines s.r.o., Drásov, Czech Republic

2009

1. Measuring stand for routing test for three-phase squirrel-cage motors, size 180 to 200 mm - Semi-automatic test
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
2. Measuring stand for routing test for three-phase squirrel-cage motors, size 180 to 200 mm - Automatic test
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
3. Measuring stand for routing test for three-phase squirrel-cage motors, size 180 to 200 mm - Hand-made test
Siemens Elektromotory s.r.o., závod Mohelnice, Czech Republic
4. Drive assembly with asynchronous dynamometer ASD 45K-4, frequency converter and control/measuring unit
Siemens Electric Machines s.r.o., Drásov, Czech Republic

5. Drive assembly with asynchronous dynamometer ASD 40K-2, base frame, power converter and control unit with measurement
JIHOSTROJ a.s., Velešín, Czech Republic
6. Measuring test stand for single phase motors testing
Rosenberg s.r.o., Klenčí pod Čerchovem, Czech Republic
7. Test stand for external rotor motors testing
Creusen Elektro-Mechanische Industrie B.V., Roermond, The Netherlands

2010

1. Mobile DC power supplies LV a HV for test stands
Creusen Elektro-Mechanische Industrie B.V., The Netherlands
2. Test stand type DYNOFIT with dynamometer ASD 15K-4
Creusen Elektro-Mechanische Industrie B.V., The Netherlands
3. Test stand type DYNOFIT with dynamometer ASD 15K-4
Creusen Czech s.r.o., Nedvědice, Czech Republic
4. Test stand type DYNOFIT with dynamometer ASD 75K-4
Creusen Elektro-Mechanische Industrie B.V., The Netherlands
5. Test stand rebuild for routine test of three-phase squirrel-cage motors VS1 to VS4 - automatic testing
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
6. Test stand for routine test of three-phase squirrel-cage motors, size AH80, AH100 and AH112 - automatic testing
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
7. Power supply units for measuring stands VS1 to VS4
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
8. M 351 Test stand upgrade for noise testing
Rosenberg s.r.o., Klenčí pod Čerchovem, Czech Republic
9. Test stand type DYNOFIT with dynamometer ASD 6,3K-4
Technical University of Liberec, Liberec, Czech Republic

2011

1. Test stand for the forklift truck drive train testing
Linde Pohony s.r.o., Český Krumlov, Czech Republic
2. Upgrade of the existing test stand for the test of assembled drive trains
Linde Pohony s.r.o., Český Krumlov, Czech Republic

3. Test stand type DYNOFIT with dynamometer ASD 6,3K-4
Brno University of Technology, Brno, Czech Republic
4. Stand alone test rig for the gearbox slip clutch limiter testing
Herzog AG, Schramberg - Sulgen, Germany
5. Test stand for inductance and resistance measurements
Creusen Technologies BV, Roermond, The Netherlands
6. Test stand for external rotor generators (wind powerplants)
Creusen Technologies BV, Roermond, The Netherlands
7. Magnetizing device S054 – 12 – 15
PZK s.r.o., Brno, Czech Republic
8. Hydraulic test laboratory equipment (components)
ADTEC s.r.o., Brno, installed in HRC Blansko s.r.o, Blansko, Czech Republic
9. Test stand for external rotor motors, upgrade of existing M358 test rig
Creusen Technologies BV, Roermond, The Netherlands
10. Test stand for external rotor motors (R, L, HV test)
Creusen Technologies BV, Roermond, The Netherlands
11. Multifunctional control panels for the electric machine test laboratory
Graz University of Technology – Institute of Electric Drives and Machines, Graz,
Austria
12. Upgrade of the production line test stand - rotation direction, noise and vibration
analysis
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
13. Test stand for routine test of three-phase squirrel-cage motors, size AH 63 - AH 132
including vibration analysis up to „B class“
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
14. Production line test rig for synchronous motors with permanent magnets
Creusen Technologies BV, Roermond, The Netherlands
15. 6-channel vibration measurement tool
ŠKODA ELECTRIC a.s., Plzeň, Czech Republic

2012

1. Test stand for the automated induction motor tests with power output 150 kW a 500 kW
ASE, s.r.o., Líbeznice, installed in T Machinery a.s., Ratíškovice, Czech Republic



LIST OF REFERENCES



2. Test stands for routine test of three-phase squirrel-cage motors, size AH 63 - AH 132 including noise and vibration analysis (1x manual testing, 2x automatic testing)
Atyko, spol. s r.o., Ostrovačice, installed in Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
3. Test stand components including 50 kW and 500 kW dynamometers type ASD 50K – 4 and type ASD 500K – 4
ABB s.r.o., Ostrava – Vítkovice, Czech republic
4. Laboratory of gears – complex test stand of gearboxes with three dynamometers (ASD S100-8/1700 - 2 pieces, ASD S220-2/0477)
Czech Technical University in Prague, Prague, Czech Republic, installed in The Science and Technology Park in Roztoky, Roztoky, Czech Republic
5. Test stand type DYNOFIT DRIVE with dynamometer type ASD P085 – 4/0541
Czech Technical University in Prague, Prague, Czech Republic, installed in The Science and Technology Park in Roztoky, Roztoky, Czech Republic
6. Two test stands type DYNOFIT EDULAB with dynamometers ASD 3000 - 2
Zuyd University of Applied Sciences, Heerlen, The Netherlands
7. Two test stands of electric motors frame size AH 100 – AH 132
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
8. Extension of manual testing of electric motors by the device for vibrafon measurement, intensity of vibrafon „B class“
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
9. Delivery of low-pressure centrifugal fans for test stand for gearboxes testing
Czech Technical University in Prague, Prague, Czech Republic
10. Test stand type DYNOFIT EDULAB with dynamometer ASD 6000 including accessories
JIMI CZ, a.s. Praha, Czech Republic, installed at Střední škola technická a řemeslná Nový Bydžov, Czech Republic
11. Test stand type DYNOFIT with dynamometers ASD 10K-2 a ASD 3000-2
KISTLER s.r.o., Praha, Czech Republic, installed in VÚTS, a.s. Liberec, Czech Republic
12. Test stand type DYNOFIT DRIVE with dynamometer ASD P050-4/0312
KISTLER s.r.o., Praha, Czech Republic, installed in VÚTS, a.s. Liberec, Czech Republic
13. Complete dynamometer test stand with dynamometer ASD P085-4/0541
Brno University of Technology, Brno, Czech Republic
14. Modernization of existing test stands for servomotors testing in serial production
VUES Brno s.r.o., Brno, Czech Republic
15. Modernization of existing test stand for servomotors testing in the development laboratory
VUES Brno s.r.o., Brno, Czech Republic

2013

1. Test stand with asynchronous dynamometer ASD P330 – 4/1400 and with control unit with measurement
KVANT spol. s r.o., Bratislava, Slovak Republic, installed at University of Žilina, Žilina, Slovak Republic
2. Drive for test stand with motor AM 030 – 2/0036
SPECION, s.r.o., Praha, Czech Republic, installed in MAGNETION a.s., Kroměříž, Czech Republic
3. Test stand of asynchronous motors up to the power output 6,3 kW (dynamometer ASD 6,3K) and up to the power output 50 kW (dynamometer ASD S050 – 4/0312)
CELMA INDUKTA S.A., Cieszyn, Poland
4. Stand 750 kW – Upgrade of test stands
Siemens, s.r.o., odštěpný závod Elektromotory Frenštát p. R., Frenštát p. R., Czech Republic
5. Complete test stand type DYNOFIT DRIVE with dynamometer ASD P020-2/0100
Brno University of Technology, Brno, Czech Republic
6. Loading drive components for dynamometer ASD 105K-2s
První brněnská strojírna, a.s., Velká Bíteš, Czech Republic
7. Test stand type DYNOFIT with dynamometer ASD 6000 (two pieces) and test stand type DYNOFIT DRIVE with dynamometer ASD P050-4/0312
University of Pardubice, Jan Perner Transport Faculty, Pardubice, Czech Republic

2014

1. Regenerative power source with asynchronous dynamometer ASD P630 – 4/4011
MAGUS ENERGO s.r.o., Brno, Czech Republic, installed in Hansen Electric, spol. s r.o., Opava, Czech Republic
2. Integration of the Power Analyzer YOKOGAWA WT1800 into the test stand
Siemens, s.r.o., odštěpný závod Elektromotory Frenštát p. R., Frenštát p. R., Czech Republic
3. Test stand type DYNOFIT DRIVE with dynamometer ASD S050 – 4/0312
SCG Czech Design Center, s.r.o., Rožnov pod Radhoštěm, Czech Republic
4. Test stand type DYNOFIT EDULAB with dynamometer ASD 3000
Diametral spol. s r.o., Praha, Czech Republic, installed at Střední škola techniky a služeb Karviná, Karviná – Nové Město, Czech Republic
5. Test stand components for gearbox testing with two dynamometers ASD S400 – 4/1500
AXIMA, spol. s r.o., Brno, Czech Republic, installed in IG Wateeuw ČR, s.r.o., Brno, Czech Republic

6. Modification of the existing test stand for assembled drive trains testing
Linde Pohony s.r.o., Český Krumlov, Czech Republic
7. Test stand for verification of developed products (the project Extension of the company's research and development base – OPPI Potenciál)
VUES Brno s.r.o., Brno, Czech Republic
8. Measuring stands with dynamometers
 - type DYNOFIT with dynamometer ASD 10K – 2
 - type DYNOFIT with dynamometer ASD 2000 – 2 – 40
 - type DYNOFIT DRIVE with dynamometer ASD S050 – 4/0312Brno University of Technology - CEITEC – Central European Institute of Technology,
Brno, Czech Republic

2015

1. Modernization of test stand M215 for testing aircraft generators and DC starter-generators
Czech Airlines Technics, a.s., Praha, Czech Republic
2. Modification of four test stands enabling an execution of unattended automated temperature rise tests
Siemens, s.r.o., odštěpný závod Elektromotory Frenštát p. R., Frenštát p. R., Czech Republic
3. Test stand for routine tests of external rotor asynchronous motors including tests of temperature sensors for Ex motors
Rosenberg s.r.o., Klenčí pod Čerchovem, Czech Republic
4. Test stand DYNOFIT with dynamometer 10 kW type 1PH 8105_10/2000/0048
TECHNISERV s. r.o., Bratislava, Slovak Republic, installed at University of Žilina, Žilina, Slovak Republic
5. Test stand DYNOFIT DRIVE with dynamometer ASD S100-4/0637
KVANT spol. s r.o., Bratislava, Slovak Republic, installed at University of Žilina, Žilina, Slovak Republic
6. Modification of seven end-of-line test stands enabling testing of reluctance motors at frequencies 50, 60, 100, 120 Hz, star-delta connection at maximum voltage 400 V
Siemens, s.r.o., odštěpný závod Elektromotory Mohelnice, Mohelnice, Czech Republic
7. Test stand DYNOFIT DRIVE with dynamometer ASD S200-4/1275
Gdańsk University of Technology, Gdańsk, Poland