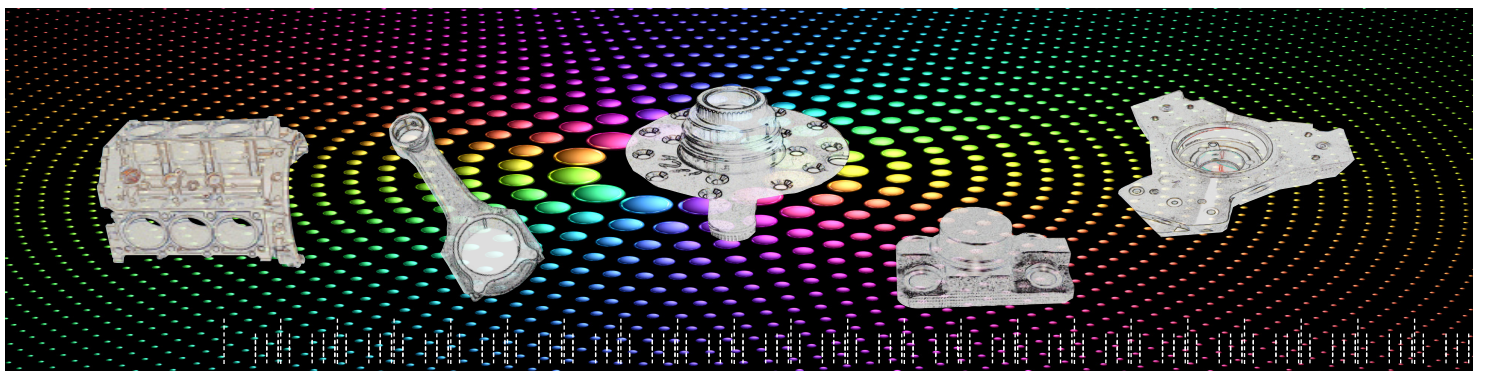


Measuring Stations for Manufacturing Facilities

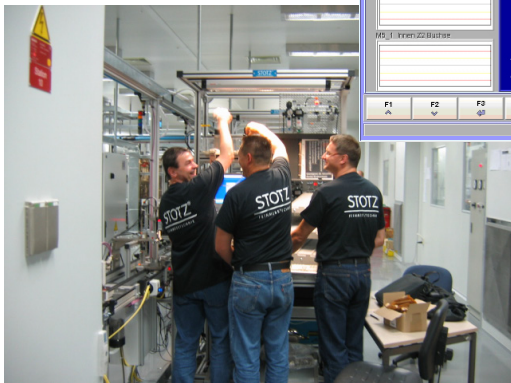


MEASURING SYSTEMS

Some customers from our master list

AUDI AG
 Audi Hungaria Motor Kft.
 BMW AG, Berlin, München, Dingolfing, Landshut, usw.
 BMW Motoren GmbH, Steyr
 Bosch Rexroth AG
 Brinks Metaalbewerking B.V.
 Busch Microsystems Consult
 DaimlerChrysler, verschiedene Werke
 Danfoss Compressors GmbH
 ebm-papst Landshut GmbH
 EMAG Salach Maschinenfabrik GmbH
 FAG Kugelfischer Georg Schäfer AG
 Ford-Werke AG
 Gebr. Heller GmbH
 Gehring GmbH & Co. KG
 Gehring Naumburg GmbH & Co. KG
 Ghiringhelli S.A.
 GKN Sinter Metals
 GM-FIAT Worldwide Purchasing
 HAWE Hydraulik GmbH & Co. KG
 Jos. Schneider Optische Werke GmbH
 K. R. Pfflner GmbH
 Kadia Produktion GmbH & Co.
 Miele + Cie. KG
 MIKROSA Werkzeugmaschinenfabrik
 MP GmbH
 Nagel GmbH Maschinen- und Werkzeugfabrik
 PROWIN Produktionstechnologie GmbH Punch Powertrain nv

REGE Motorenteile GmbH & Co. KG
 Robert Bosch, alle Werke in D, CZ, Brasil, A, F, Indien
 Samsomatic GmbH
 Schaeffler KG
 Schaudt Mikrosa BWF GmbH
 Schunk GmbH & Co. KG
 Schunk Sintermetalltechnik GmbH
 Seckler AG
 SFB
 Siemens VDO Mechanical Components GmbH
 Steyr-Daimler-Puch AG & Co. KG
 Studer Mikrosa GmbH
 UKM Fahrzeugteile GmbH
 UNIMERCO A/S
 Visteon Deutschland GmbH
 Volkswagen AG
 Volkswagen Motor Polska spolka z o.o.
 Volkswagen Sachsen GmbH
 Volkswagen Slovakia AG
 Volvo Car Components Corporation
 VOUMARD Deutschland GmbH
 WABCO
 Zahnradfabrik Friedrichshafen AG, alle Werke
 ZF Achsgetriebe GmbH
 ZF Getriebe GmbH
 ZF Passau GmbH
 Steyr Präzisionstechnik GmbH & Co. KG



STOTZ Prog.-Nr. 01 Messen Welle

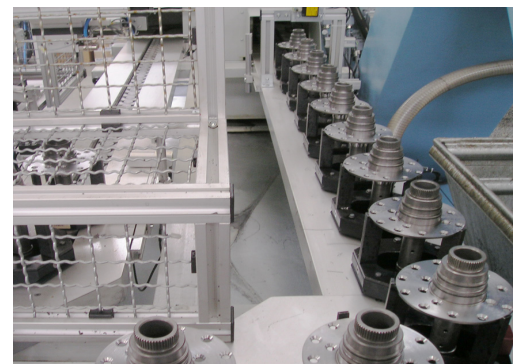
Chargennummer: 0 Maschine: 58350 Anz. Messungen: 0 Gruppe: WSG3 ZEIT BIS KAL: (min): 0

Kalibrieranforderung!

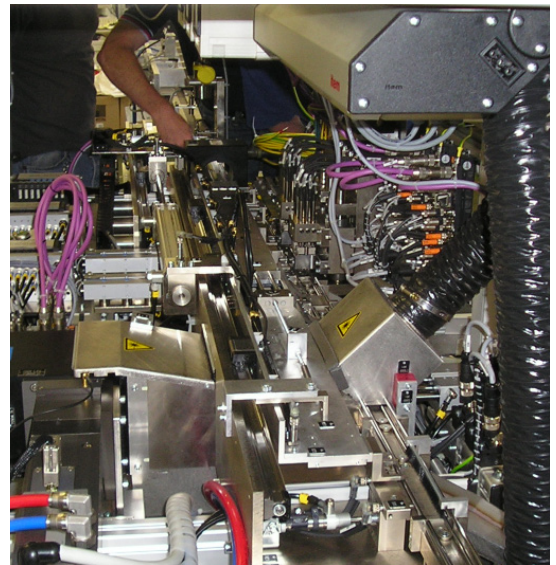
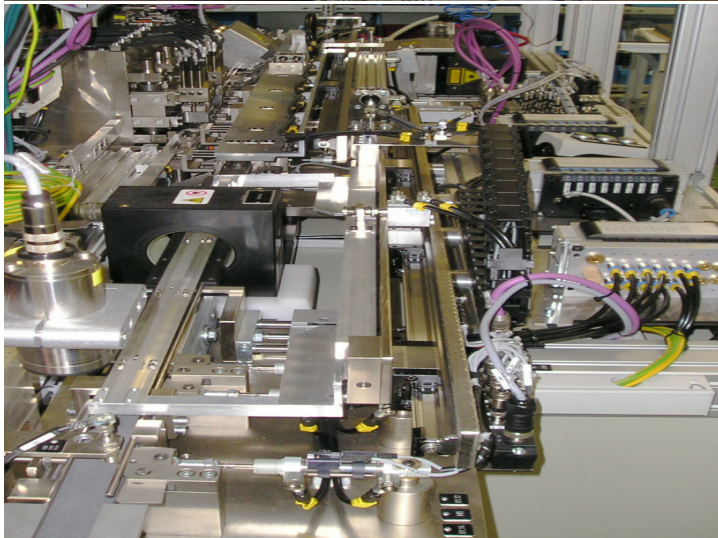
Nr.	Merkmal	Istmaß-TM	Istmaß	Sollmaß
1	M1_1 Aussen Z9	-49.9670	0.0000	90.0000
2	M1_2 Aussen Z9	-49.9670	0.0000	90.0000
3	M2_1 Aussen Z7	-49.7805	0.0000	99.8000
4	M2_2 Aussen Z7	-49.7805	0.0000	99.8000
5	M3_1 Aussen Z5	-36.0165	0.0000	36.0000
6	M3_2 Aussen Z5	-36.0165	0.0000	36.0000
7	M4_1 Innen Z12	-29.0165	0.0000	29.0000
8	M4_2 Innen Z12	-29.0165	0.0000	29.0000
9	M4_3 Innen Z12	-29.0165	0.0000	29.0000
10	M5_1 Innen Z2 Buchse	-30.0105	0.0000	30.0000
11	M5_2 Innen Z2 Buchse	-30.0105	0.0000	30.0000

F1 A F2 W F3 SP F4 F5 F6 F7 F8 Einheiten F9 F10

Fully Automatic Post Process measuring Station



Automated workpiece carrier in
 a measuring station with
 11 ID/OD measurements with
 offsets sent directly to the machine



- * Cycle Time per part: 3sec
- * Double measuring station for measurements in 4 planes
- * Hardness Test
- * Laser Marking
- * Temperature measuring



Matching for Cylinder Head and Piston

Conveyor, DMC recognition, fitting tool, class signalling.
Mating tol.: 1,6µm, 1,0µm
GR&R: 6s < 0,1µm
Rapid Digital Air/Electronic Transducer for dynamic measurement.

Automatic Housing Measuring Station

Measuring system with workpiece carrier, workpiece PASS/FAIL, all controls and measuring computer.
Bores with Tolerance 5µm
Repeatability < 0,1µm
Dynamic measurement.



9 offices worldwide

USA

Advanced Machine & Engineering Company
– sales- and service-branch

Germany

STOTZ Feinmesstechnik GmbH
– head office
– 4 sales- and service-offices

France

STOTZ France
– sales- and service-branch

Italy

STOTZ Italia
– sales- and service-branch

Czech Republic, Slovakia

STOTZ Slowakei
– sales- and service-branch



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