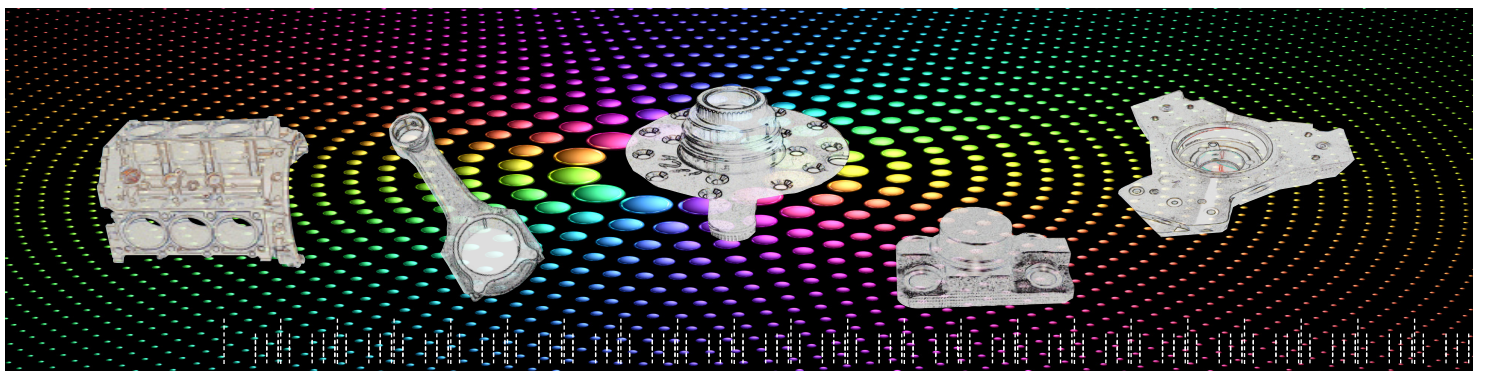


Measuring Stations for Manufacturing Facilities



## 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

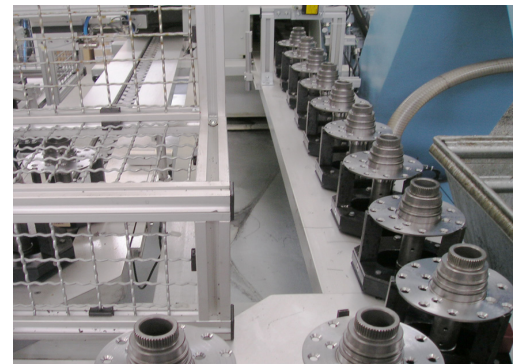
Chargennummer: 0    Maschine: 58350    Anz. Messungen: 0    Gruppe: WSG3    ZEIT BIS KAL: (min): 0

**Kalibrieranforderung!**

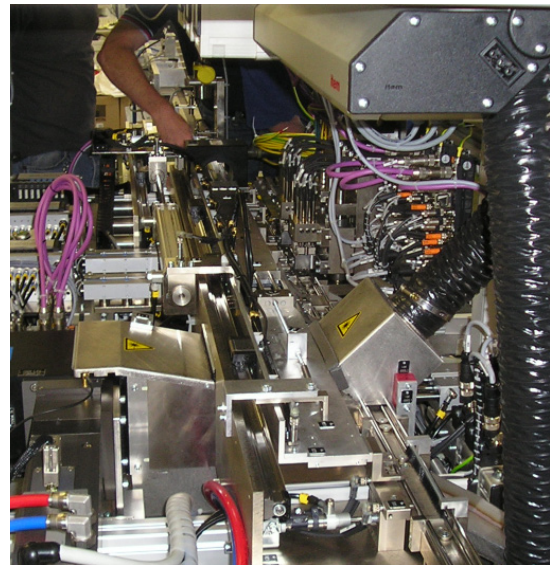
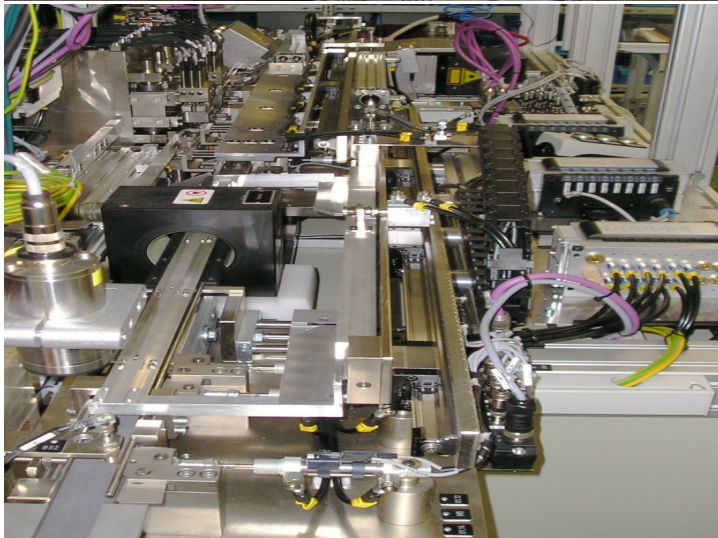
Nr.	Merkmal	Istmaß-TM	Istmaß	Sollmaß
1	M1_1 Aussen Z9	-49.9670	0.0000	90.0000
2	M1_2 Aussen Z9	-49.9670	0.0000	90.0000
3	M2_1 Aussen Z7	-49.7805	0.0000	99.8000
4	M2_2 Aussen Z7	-49.7805	0.0000	99.8000
5	M3_1 Aussen Z5	-36.0165	0.0000	36.0000
6	M3_2 Aussen Z5	-36.0165	0.0000	36.0000
7	M4_1 Innen Z12	-29.0165	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 0F    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

Air Gaging LLC

– 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

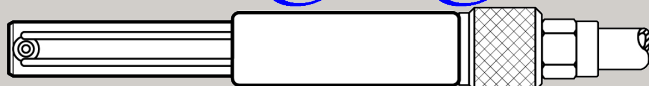
Czech Republic, Slovakia

STOTZ Slowakei

– sales- and service-branch



# Air Gaging LLC



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