

GMS 32



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Double flank testing machine for gears

Specifications

- max. diameter of measured gear 100 mm (4")
- max. diameter of master gear 80 mm
- center distance 0 ... 90mm
- max. weight of gear 0.5 kg
- max. testing moment 8 N
- weight 25 kg
- dimensions (LxWxH mm) 500 x 200 x 300
- accuracy DIN / class 1

Measuring

- double flank deviations F_r'' , f_r'' , F_r''
- DIN, AGMA, ISO
- center distance A_a''
- FFT data analysis, spectrum
- check dimensions

Accessories for measuring

- spur/helical gears
- bevel gears
- worm gears
- worms

GT 150KW



Double flank testing machine for crankshafts

Specification

- max. diameter of measured gear 150 mm
- max. diameter of master gear 150 mm
- center distance 0 ... 150mm
- max. weight of gear 5.0 kg
- max. testing moment 20 N
- weight 850 kg
- dimensions (LxWxH mm) 1500 x 1200 x 1300
- accuracy 1 um

Measuring

- double flank deviations F_i'' , f_i'' , F_r''
- DIN, AGMA, ISO
- center distance A_a''
- Measurement over teeth
- Roundness of reference diameters
- Check dimensions

Features

- fully automatic cycle
- data export to QS-STAT (Q-DAS)
- pneumatic linear axes

GT 200



Measuring machine for gears and gear hobs

Specifications:

- | | |
|--------------------------|--------------------|
| • diameter of gear, max. | 200 mm |
| • shaft length, max. | 450 mm |
| • measured length, max. | 200mm |
| • gear weight, max. | 8 kg |
| • modul range | 0.5 - 10 mm |
| • machine weight | 500 kg |
| • dimensions (LxWxH) | 1200 x 1200 x 1600 |
| • accuracy | DIN 3974 / class 4 |

Measuring:

- profile F_r , $f_{H\alpha}$, f_f , c_α
- alignment F_β , $f_{H\beta}$, $f_{\beta f}$, c_β
- roundness and eccentricity
- pitch F_p , f_{pt} , f_u
- runout F_r
- gear cutters F_{in} , f_{HN} , F_{tN}
- dimensions M_{z_s} , M_{dk} , D_a , D_f

GT 1000



**Measuring machine
for
gears**

Specifications:

- | | |
|--------------------------|--------------------|
| • diameter of gear, max. | 1000 mm |
| • shaft length, max. | 1000 mm |
| • measured length, max. | 750mm |
| • gear weight, max. | 500 kg |
| • modul range | 1.0 - 20 mm |
| • machine weight | 3500 kg |
| • dimensions (LxWxH) | 2300 x 2200 x 2500 |
| • accuracy | DIN 3974 / class 3 |

Measuring:

- profile F_r, f_{ha}, f_f
- alignment F_b, f_{hb}, f_{bf}
- roundness and eccentricity
- pitch F_p, f_p, f_u
- runout F_r
- gear cutters F_{in}, f_{HN}, F_{IN}

GTB 100



Roll tester for bevel gears

Specifications

- max. diameter of gear 100 (140) mm
- gear bore diameter 30H4
- pinion bore diameter MK4
- max mounting distance 90 mm
- hypoid offset -
- shaft angle 50 – 140 deg
- driving with hand
- max. weight of gear 5 kg

Machine options

- fixed hypoid, fixed shaft angle
- adjustable hypoid, adjustable shaft angle
- double flank with PC

Size and Weight

- machine weight 55 kg
- dimensions (LxWxH mm) 600 x 600 x 500

GTB 300



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Single flank testing machine for spiral bevel gears

Specifications:

- | | |
|------------------------------|-----------------------|
| • max. diameter of gear | 300 mm |
| • gear hole diameter | 60 mm |
| • pinion hole diameter | 60 mm |
| • max. gear mounting dist. | 275 mm |
| • max. pinion mounting dist. | 450 mm |
| • hypoid offset | +/- 50 mm |
| • shaf angle | 0 ... 180 deg |
| • max. speed | 100 rpm |
| • max. measuring speed | 30 rpm |
| • max break | 10 Nm |
| • max. weight of gear | 30 kg |
| • machine weight | 800 kg |
| • dimensions LxWxH | 1000 x 1000 x 1500 mm |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F_i' , f_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

gtb 300h



Single flank testing machine for spiral bevel gears

Specifications:

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 300 mm (12") |
| • gear hole diameter | 60 mm |
| • pinion hole diameter | 60 mm |
| • gear mounting dist. | 50...250 mm |
| • pinion mounting dist. | 50...250 mm |
| • hypoid offset | +/- 50 mm |
| • shaf angle | N/A |
| • max. speed | 500 rmp |
| • max. measuring speed | 30 rpm |
| • max break | 10 Nm |
| • max. weight of gear | 30 kg |
| • machine weight | 800 kg |
| • dimensions (LxWxH mm) | 1000 x 1000 x 1500 |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F_i' , f_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

gtb 350h



 geartec.cz

Single flank testing machine for spiral bevel gears

Specifications:

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 350 mm (14") |
| • gear hole diameter | 40 mm |
| • pinion hole diameter | 90 mm |
| • gear mounting dist. | 50...350 mm |
| • pinion mounting dist. | 50...350 mm |
| • hypoid offset | +/- 50 mm |
| • shaf angle | N/A |
| • max. speed | 500 rmp |
| • max. measuring speed | 30 rpm |
| • break | mechanical |
| • max. weight of gear | 50 kg |
| • machine weight | 2500 kg |
| • dimensions (LxWxH mm) | 1400 x 1400 x 1500 |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F'_i , f'_i , f'_l , f'_k
- backlash
- roundness, eccentricity (optional)
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

GTB 350



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Single flank testing machine for spiral bevel gears

Specifications:

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 350 mm (14") |
| • gear hole diameter | 40 mm |
| • pinion hole diameter | 90 mm |
| • gear mounting dist. | 50...350 mm |
| • pinion mounting dist. | 50...350 mm |
| • hypoid offset | +/- 50 mm |
| • shaft angle | N/A |
| • max. speed | 500 rpm |
| • max. measuring speed | 30 rpm |
| • break | mechanical |
| • max. weight of gear | 50 kg |
| • machine weight | 2500 kg |
| • dimensions (LxWxH mm) | 1400 x 1400 x 1500 |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F'_i , f'_i , f'_k
- backlash
- roundness, eccentricity (optional)
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

GTB 500



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Single flank testing machine for bevel gears

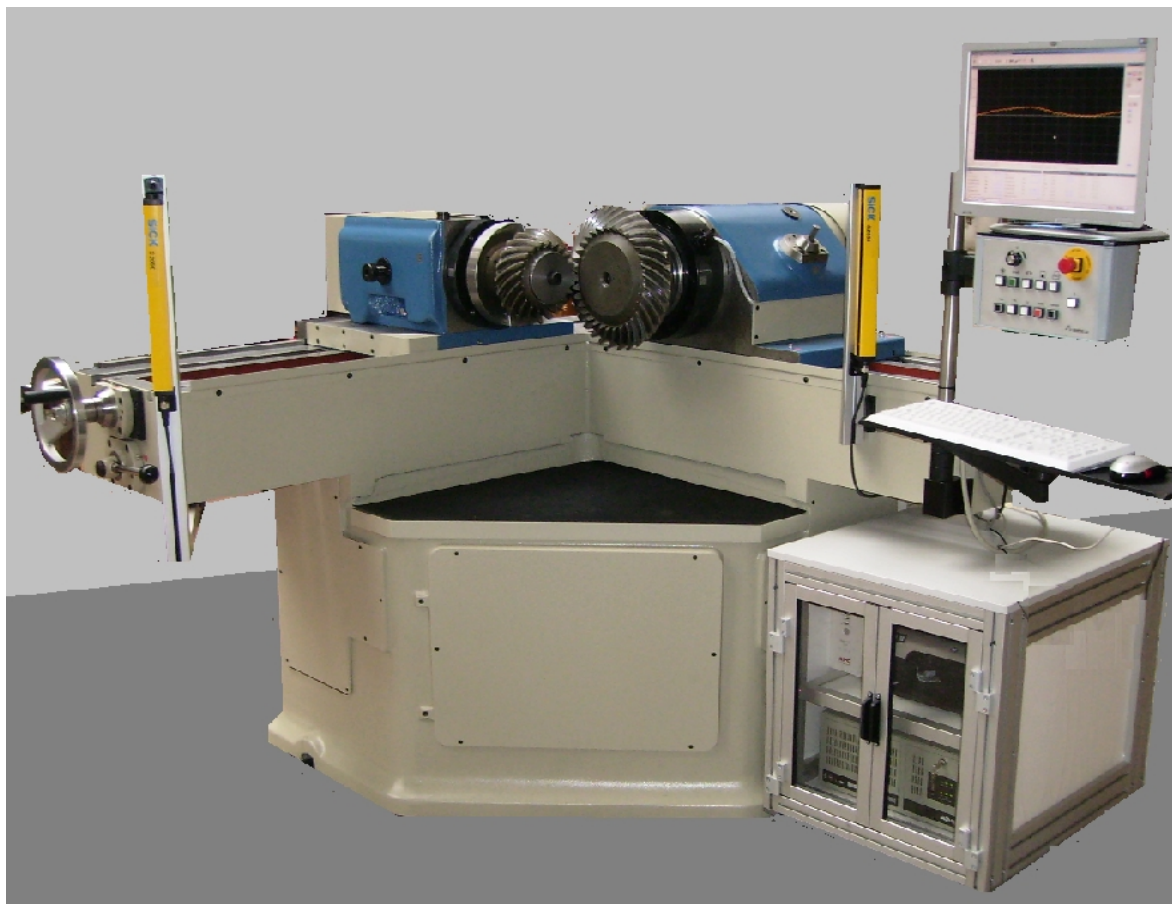
Specifications

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 500 mm (19.5") |
| • gear bore diameter | 90 mm |
| • pinion bore diameter | 90 mm |
| • max mounting distance | 450 mm / 275 mm |
| • hypoid offset | +/- 50 mm |
| • shaft angle | 0 – 180 deg |
| • max. speed | 50 rpm |
| • max. measuring speed | 30 rpm |
| • max. load torque | 60 Nm |
| • max. weight of gear | 30 kg |
| • machine weight | 1000 kg |
| • dimensions (LxWxH mm) | 1000 x 1000 x 1500 |
| • accuracy | DIN 3965 / class 1 |

Measuring

- single flank deviations F'_i , f'_i , f'_k
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

GTB 750



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Single flank testing machine for bevel gears

Specifications

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 750 |
| • gear bore diameter | 130 mm |
| • pinion bore diameter | 130 mm |
| • max mounting distance | 650 mm |
| • hypoid offset | +/- 50 mm |
| • shaft angle | 0 – 180 deg |
| • max. speed | 200 rpm |
| • max. measuring speed | 30 rpm |
| • max. load torque | 60 Nm |
| • max. weight of gear | 500 kg |
| • machine weight | 4300 kg |
| • dimensions (LxWxH mm) | 2000 x 2000 x 1800 |
| • accuracy | DIN 3965 / class 1 |

Measuring

- single flank deviations F_i' , f_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

GTB 1250



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Single flank testing machine for spiral bevel gears

Specifications

- | | |
|-------------------------|-----------------------|
| • max. diameter of gear | 1250/2000 mm (50/80") |
| • pinion hole diameter | 310 mm |
| • gear mounting dist. | 145 ... 700 mm |
| • pinion mounting dist. | 380 ... 1300 mm |
| • hypoid offset | -100 ... +100 mm |
| • shaf angle | N/A |
| • max. speed | 100 rpm |
| • max. measuring speed | 30 rpm |
| • max break | 450 Nm |
| • max. weight of gear | 2000 kg |
| • max. weight of pinion | 1000 kg |
| • diameter of table | 600 mm / 900 mm |
| • machine weight | 12 500 kg |
| • dimensions (LxWxH mm) | 3000 x 4000 x 3200 |
| • accuracy | DIN 3965 / class 1 |

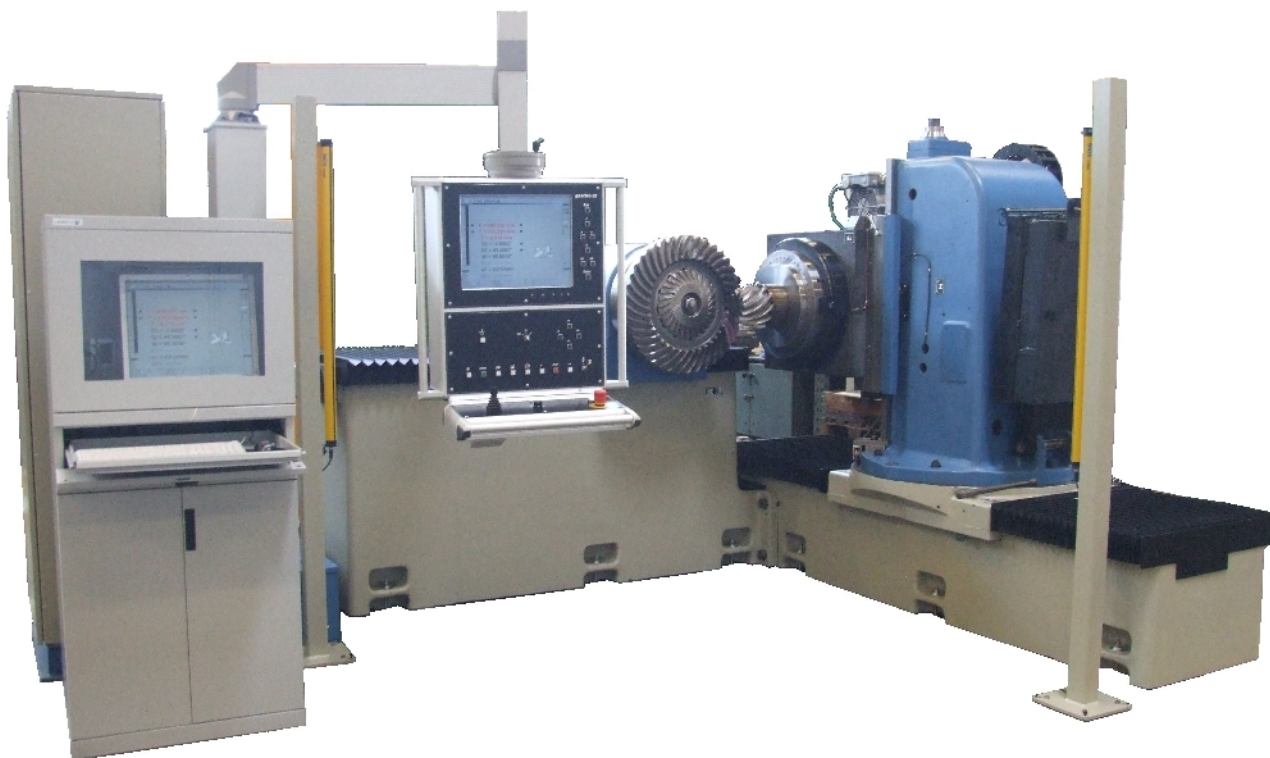
Measuring

- single flank deviations F_i' , f_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

Features

- collision detection system
- both spindles driven
- backlash verification when going to contact
- safety system (SICK)

GTB 1600



Single flank testing machine for spiral bevel gears

Specifications

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 1600 mm |
| • pinion hole diameter | 310 mm |
| • gear mounting dist. | 145 ... 700 mm |
| • pinion mounting dist. | 380 ... 1 300 mm |
| • hypoid offset | -150 ... +150 mm |
| • shaf angle | N/A |
| • max. speed | 100 rpm |
| • max. measuring speed | 30 rpm |
| • max break | 450 Nm |
| • max. weight of gear | 2000 kg |
| • max. weight of pinion | 1000 kg |
| • diameter of table | 600 (900) mm |
| • machine weight | 12 500 kg |
| • dimensions (LxWxH mm) | 3000 x 4000 x 3200 |
| • accuracy | DIN 3965 / class 1 |

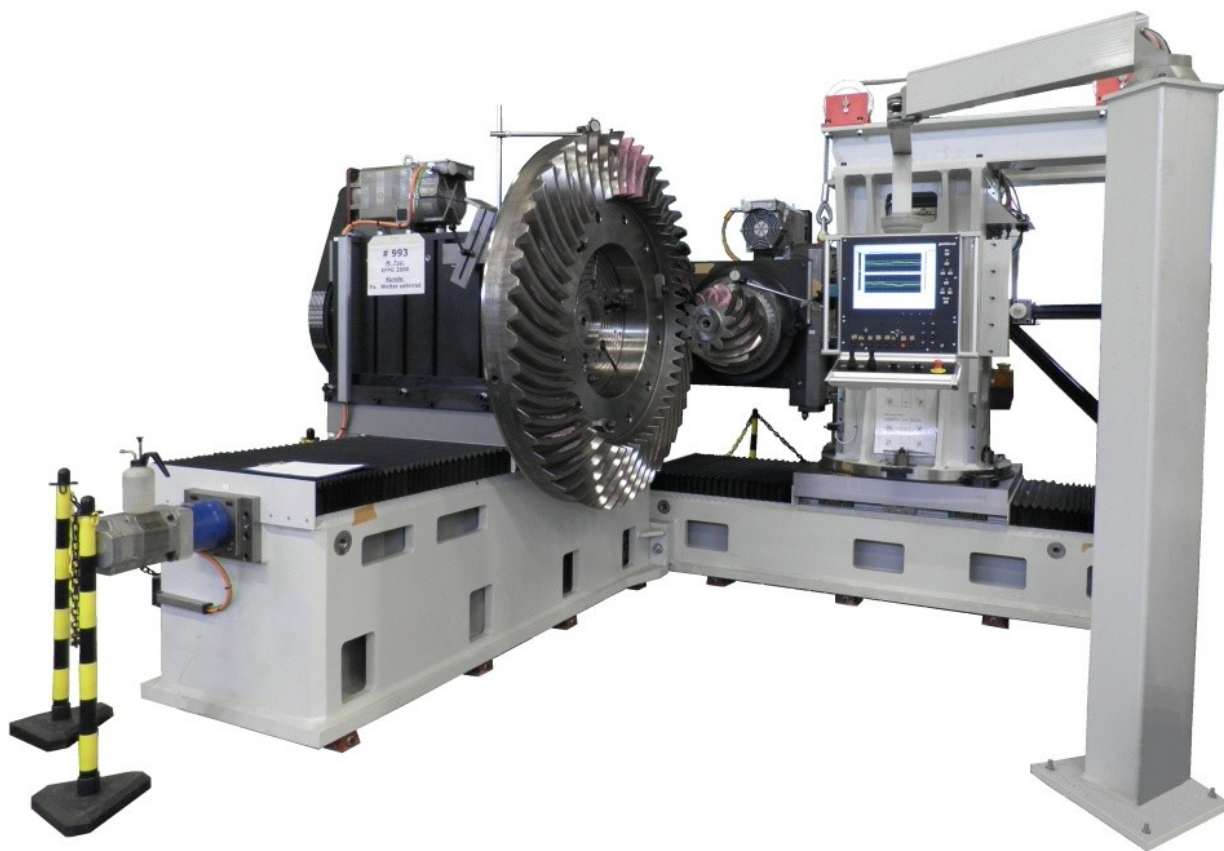
Measuring

- single flank deviations F'_1, f'_1, f'_k
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

Features

- collision detection system
- both spindles driven
- backlash verification when going to contact
- safety system (SICK)

GTB 2000



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Single flank testing machine for spiral bevel gears

Specifications:

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 2000 mm (80") |
| • pinion hole diameter | 310 mm |
| • gear mounting dist. | 0 ... 1000 mm |
| • pinion mounting dist. | 300 ... 1300 mm |
| • hypoid offset | -200 ... +200 mm |
| • shaft angle | -180 ... +180 deg |
| • max. speed | 100 rpm |
| • max. measuring speed | 30 rpm |
| • max break | 450 Nm |
| • max. weight of gear | 2000 kg |
| • max. weight of pinion | 1000 kg |
| • diameter of table | 600 mm / 1200 mm |
| • machine weight | 15 500 kg |
| • dimensions (LxWxH mm) | 4200 x 3300 x 2300 |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F'_i , f'_i , f'_k
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

Features:

- collision detection system
- both spindles driven
- backlash verification when going to contact
- safety system (SICK)

GTB 2500



Single flank testing machine for spiral bevel gears

Specifications

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 2500 mm |
| • pinion hole diameter | 310 mm |
| • gear mounting dist. | 145 ... 700 mm |
| • pinion mounting dist. | 380 ... 1 600 mm |
| • hypoid offset | -100 ... +100 mm |
| • shaf angle | N/A |
| • max. speed | 100 rmp |
| • max. measuring speed | 30 rpm |
| • max break | 450 Nm |
| • max. weight of gear | 5000 kg |
| • max. weight of pinion | 1000 kg |
| • diameter of table | 900 mm |
| • machine weight | 16 500 kg |
| • dimensions (LxWxH mm) | 3000 x 4000 x 3200 |
| • accuracy | DIN 3965 / class 1 |

Measuring

- single flank deviations F'_i , f'_i , f'_l , f'_k
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

Features

- collision detection system
- both spindles driven
- backlash verification when going to contact
- safety system (SICK)

GTGB 300



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Single flank testing machine for gearboxes

Specifications:

- | | |
|---------------------------|--------------------|
| • axis distance from base | 300 mm |
| • driving axis offset | +/- 50 mm |
| • max. center distance | 600 mm / 450 mm |
| • max mounting distance | 450 mm / 275 mm |
| • hypoid offset | +/- 50 mm |
| • shaft angle | 90° and 180° |
| • max. measuring speed | 100 rpm |
| • max. load torque | 30 Nm |
| • machine weight | 1000 kg |
| • dimensions (LxWxH mm) | 1000 x 1000 x 1500 |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F'_i , f'_i , f'_k
- backlash
- roundness, eccentricity
- FFT data analysis, spectrum

GTL 300



Roll tester for bevel gears

Specifications

- | | |
|-------------------------|-----------------------|
| • max. diameter of gear | 300 mm (12") |
| • gear bore diameter | 60 mm |
| • pinion bore diameter | 60 mm |
| • max mounting distance | 270 mm / 275 mm |
| • hypoid offset | +/- 50 mm, optional |
| • shaft angle | 0 – 180 deg, optional |
| • max. speed | 500 rpm |
| • max. load torque | 10 Nm |
| • max. weight of gear | 15 kg |

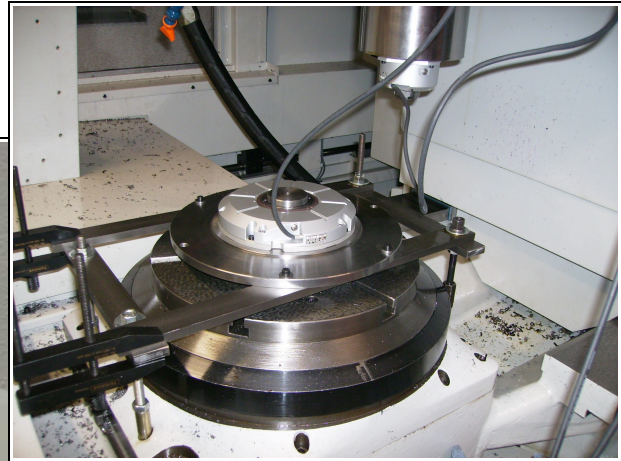
Machine options

- fixed hypoid, fixed shaft angle
- adjustable hypoid, adjustable shaft angle
- adjustable hypoid, fixed shaft angle

Size and Weight

- | | |
|-------------------------|--------------------|
| • machine weight | 800 kg |
| • dimensions (LxWxH mm) | 1000 x 1000 x 1500 |

GTM - expert system



Inspection of accuracy of manufacturing machines, rotary tables and gearboxes by mobile system

Usage of system

- High accurate angular encoder is mounted on rotary table or to driven axis
- Other angular encoder is mounted to driving axis, or if the driving axis has own rotary encoder the signal from it can be used
- Special software developed for gear manufacturing machines is used for measuring of kinematic accuracy of complete machine
- Software can measure accuracy of rotary tables, gearboxes, machines in assembled status
- Supported are gear cutting machines, gear shapers, and gear milling machines (grinding)
- Special software module can calculate/estimate accuracy of manufactured gears on the machine

Measured deviations

- Single flank F_i' , f_i' , f_i', f_k'
- Backlash
- FFT analysis, spectrum, speed, acceleration
- Analysis of bad teeth, gears, axes

Evaluation features

- Analysis of production quality of gears (profile and pitch deviations)
- Analysis of influence of tool quality
- Export of measured deviations to machine control system for compensation
- Analysis of worm-gear rotary tables
- Analysis of gearboxes, including planetary gearboxes and multi stage gearboxes
- Noise analysis

GTWG 400



Single and double flank testing machine for worm gears

Specifications:

- | | |
|------------------------------|--------------------|
| • max. diameter of worm gear | 400 mm (16") |
| • max. length of worm | 700 mm |
| • max. diameter of worm | 100 mm |
| • worm mounting dist. | 0 - 400 mm |
| • max. measuring speed | 30 rpm |
| • max. break | 2.5 Nm |
| • max. weight of wormgear | 40 kg |
| • max. weight of worm | 15 kg |
| • diameter of table | 200 mm |
| • machine weight | 800 kg |
| • dimensions (LxWxH mm) | 1300 x 700 x 1800 |
| • accuracy | DIN 3974 / class 1 |

Measuring:

- single flank deviations F_1' , f_1' , f_1'' , f_k'
- backlash
- double flank deviations F_1'' , f_1'' , f_1''' , f_k''
- roundness, eccentricity of gear and worm
- contact pattern (digital camera)
- pitch deviations of gear F_p , f_p , f_u
- Radial runout F_r
- FFT data analysis, spectrum

GTWG 600



Single flank and double flank testing machine for worm gears

Specifications

- | | |
|------------------------------|--------------------|
| • max. diameter of worm gear | 600 mm |
| • max. length of worm | 500/1000 mm |
| • max. diameter of worm | 100 mm |
| • centre distance | 0 - 400 mm |
| • vertical position | 0 - 250 mm |
| • measuring speed | 5 - 60 rpm |
| • max. brake | 2.5 Nm |
| • max. weight of wormgear | 200 kg |
| • max. weight of worm | 10 kg |
| • diameter of table | 300 mm |
| • machine weight | 1 500 kg |
| • dimensions (LxWxH mm) | 2000 x 700 x 1800 |
| • accuracy | DIN 3974 / class 1 |

Measuring:

- single flank deviations F_1' , f_1' , f_1'' , f_k'
- double flank deviations F_1'' , f_1'' , f_1''' , f_k''
- backlash
- roundness, eccentricity of gear and worm
- contact pattern (digital camera)
- pitch deviations of gear F_p , f_p , f_u
- Radial runout F_r
- FFT data analysis, spectrum

GTWG 1200



Single and double flank testing machine for worm gears

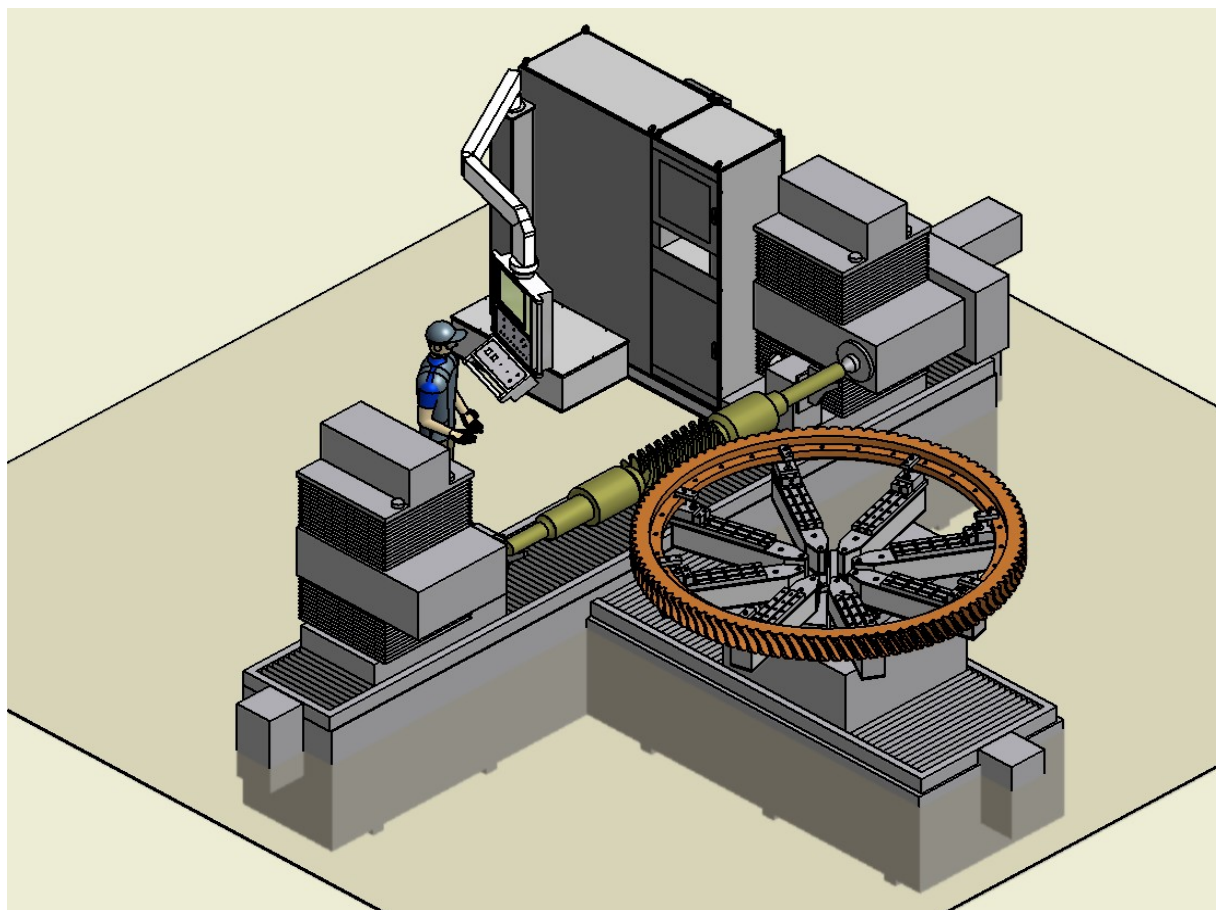
Specifications

- | | |
|------------------------------|--------------------|
| • max. diameter of worm gear | 1200 mm (48") |
| • max. length of worm | 1500 mm |
| • max. diameter of worm | 250 mm |
| • worm mounting dist. | 150 - 800 mm |
| • max. measuring speed | 60 rpm |
| • max. load torque | 10 Nm |
| • max. weight of wormgear | 1200 kg |
| • max. weight of worm | 200 kg |
| • diameter of table | 350 mm / 550 mm |
| • machine weight | 5500 kg |
| • dimensions (LxWxH mm) | 2300 x 1800 x 1800 |
| • accuracy | DIN 3974 / class 1 |

Measuring

- single flank deviations F_1' , f_1' , f_1'' , f_k'
- backlash
- double flank deviations F_1'' , f_1'' , f_1''' , f_k''
- roundness, eccentricity of gear and worm
- contact pattern (digital camera)
- pitch deviations of gear F_p , f_p , f_u
- Radial runout F_r
- FFT data analysis, spectrum

GTWG 3000



Single flank testing machine for worm gears

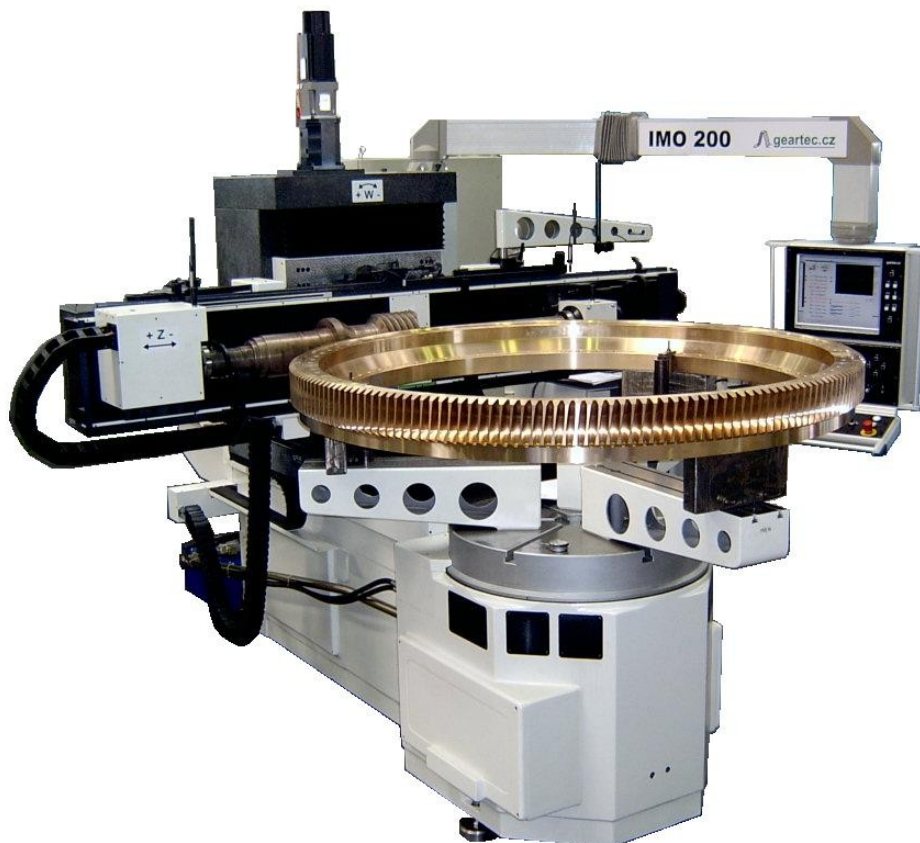
Specifications:

- | | |
|------------------------------|--------------------|
| • max. diameter of worm gear | 3000 mm (118") |
| • max. length of worm | 3000 mm |
| • max. diameter of worm | 300 mm |
| • worm mounting dist. | 500 - 1750 mm |
| • heigh worm from table | 200-700 mm |
| • max. measuring speed | 60 rpm |
| • max. load torque | 1000 Nm |
| • max. weight of wormgear | 6000 kg |
| • max. weight of worm | 1000 kg |
| • diameter of table | 900 mm |
| • machine weight | 20 000 kg |
| • dimensions (LxWxH mm) | 6200 x 6600 x 2800 |
| • accuracy | DIN 3974 / class 1 |

Measuring:

- single flank deviations F'_i, f'_i, f'_k, f'_k'
- backlash
- roundness, eccentricity of gear and worm
- contact pattern (digital camera)
- pitch deviations of gear F_p, f_p, f_u
- Radial runout F_r
- FFT data analysis, spectrum

IMO 200



Single flank testing machine for worm gears

Specifications:

- | | |
|-----------------------------|--------------------|
| • max. diameter of wormgear | 2000 mm (80") |
| • max. length of worm | 1500 mm |
| • max. diameter of worm | 250 mm |
| • worm mounting dist. | 320...1150 mm |
| • worm (duplex) offset | 100 mm |
| • max. speed | 60 rpm |
| • max. measuring speed | 30 rpm |
| • break | mechanical |
| • max. weight of wormgear | 1500 kg |
| • max. weight of worm | 200 kg |
| • diameter of table | 600 mm / 800 mm |
| • machine weight | 4500 kg |
| • dimensions (LxWxH mm) | 3500 x 2000 x 3000 |
| • accuracy | DIN 3974 / class 1 |

Measuring:

- single flank deviations F'_1, f'_1, f'_k, f'_k'
- backlash
- roundness, eccentricity of gear and wormgear
- contact pattern (digital camera)
- pitch deviation of wormgear
- FFT data analysis, spectrum

Features:

- backlash verification when going to contact
- laser pointer for worm offset positioning

PSKE 900



Single flank testing machine for spiral bevel gears

Specifications:

- | | |
|-------------------------|--------------------|
| • max. diameter of gear | 900 mm |
| • gear hole diameter | 90 mm |
| • pinion hole diameter | 90 mm |
| • gear mounting dist. | 100...350 mm |
| • pinion mounting dist. | 100...500 mm |
| • hypoid offset | N/A |
| • shaft angle | 90° |
| • max. speed | 100 rmp |
| • max. measuring speed | 30 rpm |
| • break | mechanical |
| • max. weight of gear | 150 kg |
| • machine weight | 1800 kg |
| • dimensions (LxWxH mm) | 1300 x 1300 x 1500 |
| • accuracy | DIN 3965 / class 1 |

Measuring:

- single flank deviations F_i' , f_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

PSR 500



Single flank testing machine for worm gears

Specifications:

- max. diameter of worm gear 500 mm
- max. diameter of worm 100 mm
- max length of worm 200 mm
- axis distance 0-400 mm
- tangential offset 150 mm
- max. weight of worm gear 150 kg
- max. weight of worm 50 kg
- max. measuring speed 30 U/min
- break mechanical
- machine weight 800 kg
- dimensions (LxWxH mm) 1500 x 1500 x 1600
- accuracy DIN 3974 / class 1

ring:

- single flank deviations F_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern (digital camera)
- pitch deviation F_p , f_p , f_u
- radial runout F_r
- FFT data analysis, spectrum

RETROFITS



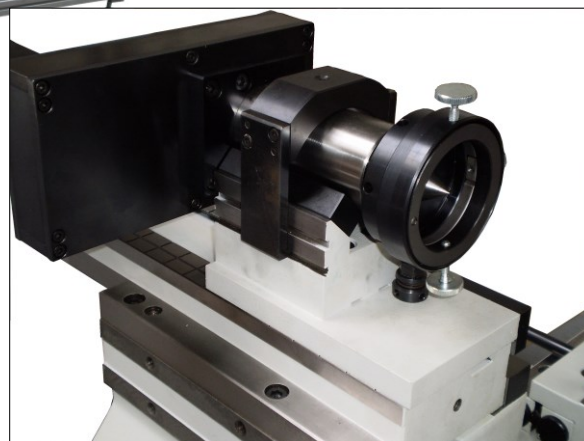
BEFORE

Do you think of re-using of your old/damaged gear tester? Would you like to have even more exact results of your measurements?

HAVE YOUR MACHINE MODERNIZED BY GEARTEC.CZ!



AFTER



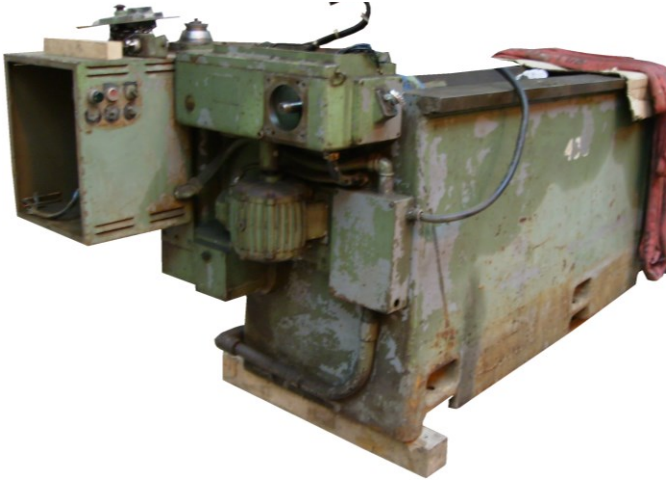
GEARTEC.CZ is capable of modernization of used or partly damaged gear testers according to your demands. GEARTEC.CZ can also provide you with upgrade of the machine in order to meet all current accuracy requirements.



RETROFITS

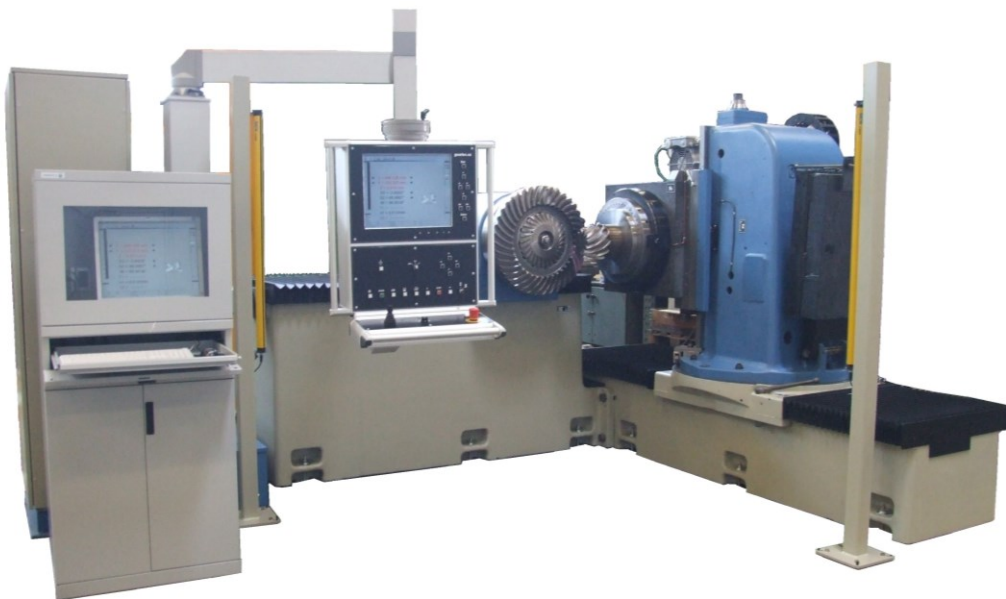
Do you think of re-using of your old/damaged gear tester? Would you like to have even more exact results of your measurements?

HAVE YOUR MACHINE MODERNIZED BY GEARTEC.CZ!



BEFORE

AFTER



GEARTEC.CZ is capable of modernization of used or partly damaged gear testers according to your demands. GEARTEC.CZ can also provide you with upgrade of the machine in order to meet all current accuracy requirements.



Stiffelmeyer



 geartec.cz

Roll tester for bevel gears

Specifications

- | | |
|-------------------------|----------------------------|
| • max. diameter of gear | 300 mm |
| • gear bore diameter | Gleason \varnothing 90mm |
| • pinion bore diameter | Gleason \varnothing 90mm |
| • max mounting distance | 270 mm |
| • hypoid offset | - |
| • shaft angle | 0 - 180° |
| • driving | manual |
| • max. weight of gear | 20 kg |

Machine options

- fixed hypoid, fixed shaft angle
- adjustable hypoid, adjustable shaft angle
- double flank with PC
- Contact pattern with PC

Size and Weight

- | | |
|-------------------------|-------------|
| • machine weight | 300 kg |
| • dimensions (LxWxH mm) | 850x950x600 |