

GEARTEC.CZ

Gear Specialist



Gear measuring machines



geartec.cz, s.r.o.

double flank tester

gear

bevel gear

worm gear

rack

single flank tester

bevel gear

gear

worm gear

contact pattern

gear

bevel gear

worm gear

CNC—gear tester

universal

worm

rack

mobile

gear box testing unit

stationary

mobile

software

gears

SPC

GEARTEC.CZ entered the market in 1998 carrying a torch of a 80-year tradition in manufacturing of gear inspection machines in the Czech Republic. Our products are firstly new quality inspection machines for gears and secondly retrofits of used gear testers. All of our new products has our own design, construction, assembly, and unique software equipment.

Since the company was founded, it has been growing in size, range of supplied products and territorial scope. Nowadays **GEARTEC.CZ** is one of the most important world-wide supplier of gear inspection machines. Our experience results from more than 200 supplied machines and from individual approach to each customer.

The goal of **GEARTEC.CZ** is not only to produce inspection technology, but as well to help our customers achieve higher quality of their production. The success in this area is proved by amount of front gear manufactures who use inspection machines produced by **GEARTEC.CZ** and belong to our satisfied customers. Due to the research and development of new technology we try to bring better tools for quality evaluation. Our partners in that field are universities in the Czech Republic and Germany and some of the front manufactures of gear machines. Thanks to them we are able to test our new products during the course of development.

Range of our products

SINGLE flank rolling method for bevel, spur, and worm gears

DOUBLE flank rolling method

3D inspection machines

GEARBOX testers

RETROFITS



It's easy to get in touch with us!

Choose one of our regional representatives closest to your area and feel free to contact them



GERMANY, BELGIUM, NETHERLANDS

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RUSSIAN FEDERATION

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ITALY

Coord3 Industries

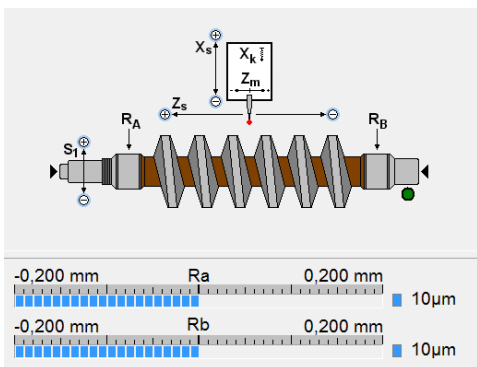
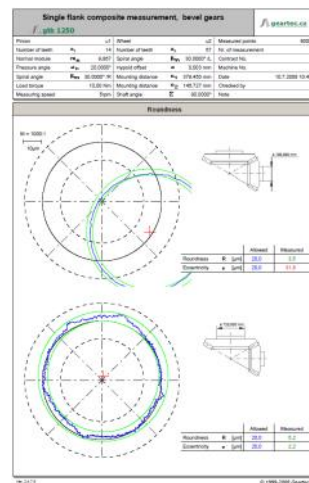
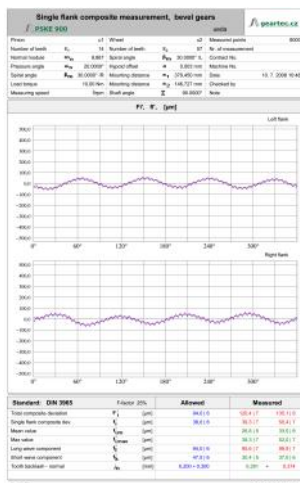
Mr. Michele Enriore

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Measuring Software

GEARTEC.CZ has developed a unique and user-friendly software for measuring of gears working under Microsoft Windows OS. All functions layout of the program and graphical icons make this program handy; so that working with this application is easy and intuitive. It is a natural thing that this software communicates in many world languages. **Measuring software** enables you to control, adjust and edit all parameters of measurements as well as it displays the measurement results in accurate diagrams that can easily be exported in .bmp and .pdf formats. The numeral results of measurements can also be exported in .csv format for further processing. All measurements are stored in a database that is clearly and systematically arranged. It is worth working with our software. Give it a try!



How to measure

Uniformly Number of measured teeth: 2

Optionally No. of measured teeth: 0 0 0

Plane of measurement d_m : 11,000 mm

Area of measurement: 108,337 mm

Area of evaluation S_{AP} : 108,337 E_{AP} : 119,850 mm

Profile error, total F_f : 6 DIN 3962 (10,0 μ m)

Profile error, angular f_{Hz} : 6 DIN 3962 (6,0 μ m)

Profile error, in form f_f : 6 DIN 3962 (8,0 μ m)

Cross modification

Basic Crowning K-diagram

Drawing No. 722381_K48

	A	B
Designation	Gear	Profile
Number of teeth z	20	80
Module m	2,000	2,150
Pressure angle α	20°00'00"	20°00'00"
Helix angle β	+0°00'00"	+0°00'00"
Profile correction xm	0,000 mm	0,000 mm
Gear Position l_A	79,000 mm	l_B 345,000 mm
Master gear-Number of teeth z	0	40
Master gear-Profile correction xm	0,000 mm	0,056 mm
Kontrolní průměr ložiska ϕD	0,000 mm	114,012 mm

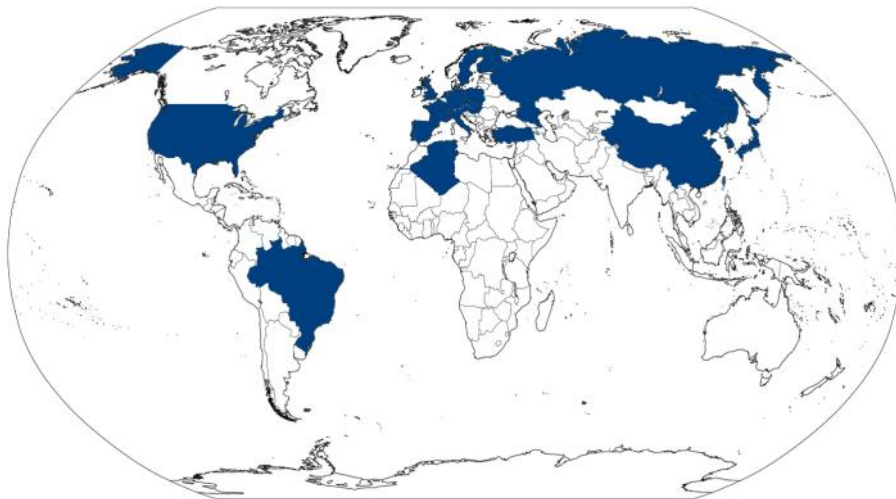
Our testers work all around the world

Here you are a brief list of the countries where our products have been installed so far

Germany
Switzerland
The United States of America
The United Kingdom

The Czech Republic
Slovakia
Poland
Italy

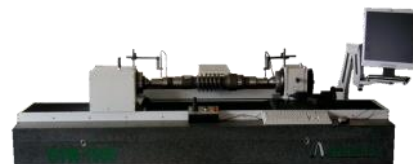
Hungary
France
Turkey
South Korea



Spain
Portugal
Taiwan
Austria

Finland
Japan
Sweden
China

Russia
Brazil
Tunisia
Algeria



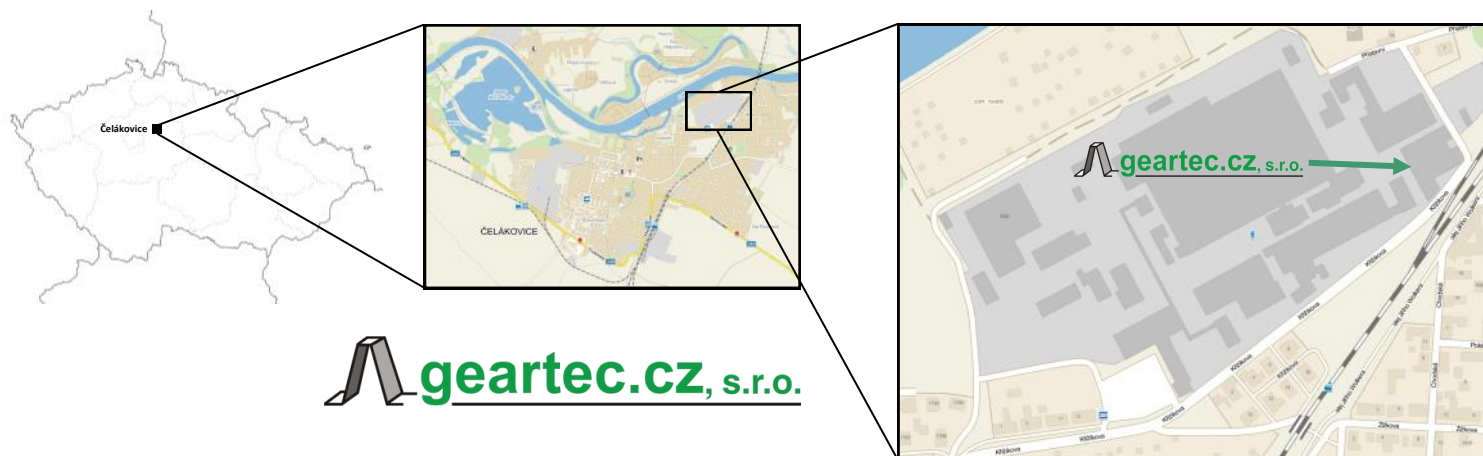
Master gears, arbors, pinions

GEARTEC.CZ also provides its customers with sets of master gears, clamping arbors, and pinions in the highest quality upon customer's request. We are capable of precise master gear calculating, providing our customers with technical drawings, competent knowledge of toothing, and consultancy services. We are always read to answer your queries and support you in the field of gear measuring.



Reference list

ABU GARCIA • AFOLTER TECHNOLOGIES SA • ATA GEARS OY • A.T.I. • ATALNTA, GmbH • ATLAS COPCO • BIEN-AIR&CO. • BMW • BOWMAR • CATERPILLAR • CD ENPLA • CELERC • CHRISTEN • CROUSET • ČVUT • DELTA GEAR • DE'LAN GEAR • DYNAMETAL TECHNOLOGIES • FAIRFELD • FORMPLAST • GFC ANTRIEBE-AUMA, GmbH • GGM • HUMBEL AG • ISPER • JOHN DEERE • KJ TECHNOLOGY • LA PRECISION • LAPONIA • LENZE • LEXMARK • LG INNOTEK • MAGNA POWERTRAIN • MARTIGNONI AG • MOATECH • NOZAG AGOTT • ZAHNRAD FERTIGUNG • PI MAKINA • POMTAVA • PROMENS • PROTO MECA • RINGHOFFER VERZÄHNUNGSTECHNIK, GmbH • SAMSUNG ELECTRONICS • SIEGRIST, GmbH • SIEMENS, GmbH • SIMONIN • SIRONA DENTAL SYSTEMS, GmbH • SOMFY • SONCEBOZ • SPOROIDE • STAAMP • SUHNER AG • TALLERES CASALS • TAURU S80 • THYSEN KRUPP, GmbH • TM SERVO MECHANISM LTD. • TORO • TOS ČELÁKOVICE • TRW DAČICE • UEDA HEAVY GEAR WORKS LTD • UNAMAR • VOGEL ANTRIEBSTECHNI • VW SLOVAKIA • WELTER MASCHINENBAU, GmbH • WISCO • XUBI • ZEITLAUF, GmbH • ZZ ANTRIEBOTT ZAHNRAD FERTIGUNG



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Stay in touch with us!