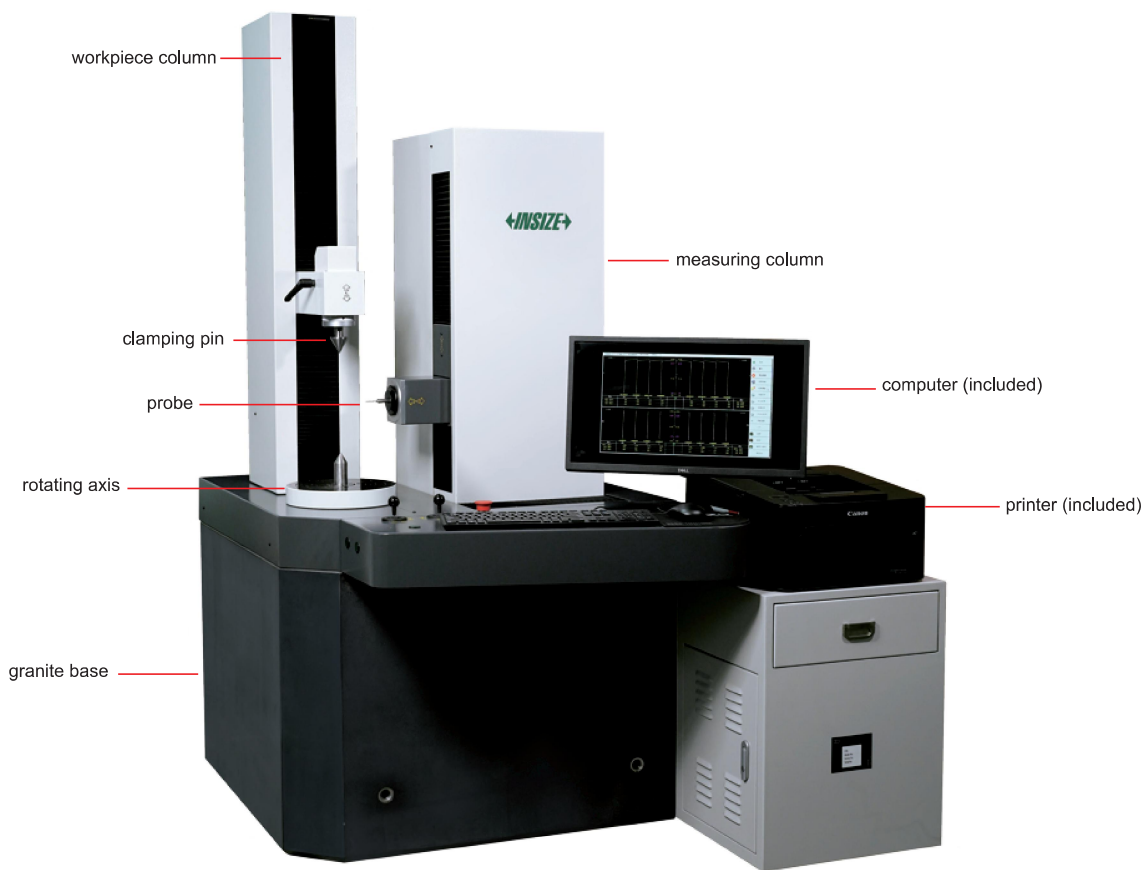


GEAR MEASURING CENTERS

MODULAR SOFTWARE



IGE-DMC30

- Fully direct drive technology
- Selectable measurement standards GB, ISO, DIN, AGMA, JIS, GOST
- THK linear guides, high-precision linear encoders, and rotary encoders
- Eccentric servo motion compensation for workpiece mounting ensures accuracy and reliability
- Modular software provides multiple types of gear measurement functions via standard and optional configurations
- 3D digital scanning probe with independent locking in all directions and absolute zero position; magnetic suction probe management system
- Suitable for inspecting various types of cylindrical gears, hobbing cutters, shaving cutters, and broaching cutters

SPECIFICATION

Code	IGE-DMC20	IGE-DMC30	IGE-DMC40	IGE-DMC50	IGE-DMC60
Module of the gear	0.2~15mm	0.2~15mm	0.3~20mm	0.3~20mm	0.3~25mm
Max. outer diameter	250mm	350mm	450mm	550mm	650mm
Max. vertical measuring distance	300mm	350mm	400mm	450mm	500mm
Max. rolling length	±70mm	±90mm	±120mm	±140mm	±180mm
Max. permissible workpiece weight	80kg	150kg	300kg	500kg	500kg
Distance between centers	10~500mm	10~650mm	10~1000mm	10~1000mm	10~1000mm
Helix angle range	0°~90°				
Accuracy of XYZ	1.0µm/200mm				
Repeatability	1.0µm				
Probe resolution	0.1µm				
Power supply	220V, 50Hz		380V, 50Hz		
Dimension (L×W×H, mm)	1500×1425×1860	1500×1425×1860	1750×1555×2210	1750×1555×2210	1900×1725×2210
Net weight	3000kg	3000kg	4500kg	4500kg	5000kg

SPECIFICATION

Code	IGE-DMC80	IGE-DMC100	IGE-DMC120	IGE-DMC150
Module of the gear	0.5~25mm	0.5~25mm	0.5~35mm	0.5~35mm
Max.outer diameter	850mm	1050mm	1250mm	1550mm
Max.vertical measuring distance	600mm	700mm	800mm	1000mm
Max. rolling length	±230mm	±280mm	±300mm	±300 mm
Max. rmissible workpiece weight	800kg	2000kg	2000kg	8000kg
Distance between centers	10~1200mm	10~1200mm	10~1200mm	10~1500mm
Helix angle range	0°~90°			
Accuracy of XYZ	1.0µm/200mm			
Repeatability	1.0µm			
Probe resolution	0.1µm			
Power supply	380V, 50Hz			
Dimension (L×W×H, mm)	2200×1925×2630	2400×2230×2630	2500×2400×2630	2600×2400×3300
Net weight	7000kg	8000kg	10000kg	12000kg

STANDARD DELIVERY

Main unit	1 pc
Computers and printers	1 set
Drive device	1 set
Calibration spindle	2 pc
Ball Gauge	1 pc
Mikrokator	1 pc
Ø0.5mm stylus	2 pcs
Ø1mm stylus	2 pcs
Ø1.5mm stylus	2 pcs
Ø2mm stylus	2 pcs
Ø3mm stylus	2 pcs
Magnetic adapter plate	4 pcs
Extension rods and connecting rods	1 set
Cylindrical gear measurement software	1 set
Gear shaving measurement software	1 set
Gear cutting tool measurement software	1 set
Gear hob measurement software	1 set

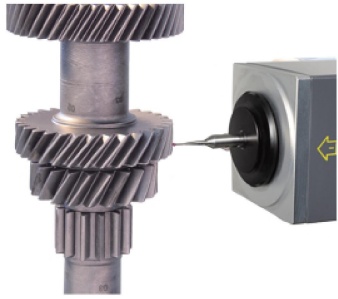
OPTIONAL SOFTWARE MODULES

Internal gear measuring software	IGE-DMC-NG
Worm measuring software	IGE-DMC-WG
Worm gear measuring software	IGE-DMC-TB
Non- involute spline measurement software	IGE-DMC-ES
Worm milling cutter measuring software	IGE-DMC-DC
Rack measuring software	IGE-DMC-RK
Rack hob measuring software	IGE-DMC-RS
Circular-arc spiral bevel gear milling cutter measuring software	IGE-DMC-CR
Cylindrical workpiece's Index measuring Software	IGE-DMC-CW
Timing measuring software	IGE-DMC-TM
Alignment & cut lead measuring software	IGE-DMC-AC
Contour scanning software	IGE-DMC-CS
Part temperature compensation software	IGE-DMC-PT
Automatic stylus changer	IGE-DMC-AP
Circular-arc spiral bevel gear measuring software	IGE-DMC-CA
Cycloidal bevel gear measuring software	IGE-DMC-CB
Circular-arc spiral bevel gear and cycloidal bevel gear	IGE-DMC-CAB

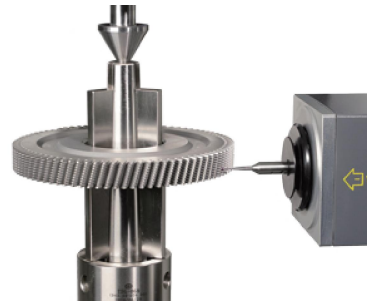
OPTIONAL ACCESSORY

Reference gear (master)	IGE-DMC-ST
Φ0.1mm carbide ball stylus	IGE-DMC-CSB0137
Φ0.2mm carbide ball stylus	IGE-DMC-CSB0237
Φ0.4mm carbide ball stylus	IGE-DMC-CSB0437
Φ0.5mm carbide ball stylus	IGE-DMC-CSB0537
Φ0.6mm carbide ball stylus	IGE-DMC-CSB0637
Φ0.1mm carbide ball long stylus	IGE-DMC-CSB0161
Φ0.2mm carbide ball long stylus	IGE-DMC-CSB0261
Φ0.2mm ruby ball stylus	IGE-DMC-CRB0237
Φ0.3mm ruby ball stylus	IGE-DMC-CRB0337
Φ0.4mm ruby ball stylus	IGE-DMC-CRB0437
Φ0.5mm ruby ball stylus	IGE-DMC-CRB0537
Φ0.6mm ruby ball stylus	IGE-DMC-CRB0637
Φ0.7mm ruby ball stylus	IGE-DMC-CRB0737
Φ0.8mm ruby ball stylus	IGE-DMC-CRB0837
Φ1.0mm ruby ball stylus	IGE-DMC-CRB1037
Φ1.5mm ruby ball stylus	IGE-DMC-CRB1537
Φ2.0mm ruby ball stylus	IGE-DMC-CRB2037
Φ3.0mm ruby ball stylus	IGE-DMC-CRB3037
Φ1.0mm ruby ball titanium base stylus	IGE-DMC-TCRB1030
Φ1.5mm ruby ball titanium base stylus	IGE-DMC-TCRB1530
Φ2.0mm ruby ball titanium base stylus	IGE-DMC-TCRB2030
Φ3.0mm ruby ball titanium base stylus	IGE-DMC-TCRB3030
Φ5.0mm ruby ball titanium base stylus	IGE-DMC-TCRB5030
Φ0.2mm ruby ball stylus for internal gear	IGE-DMC-ICRB0240
Φ0.3mm ruby ball stylus for internal gear	IGE-DMC-ICRB0340
Φ0.5mm ruby ball stylus for internal gear	IGE-DMC-ICRB0540
Φ1.0mm ruby ball stylus for internal gear	IGE-DMC-ICRB1040
Φ2.0mm ruby ball stylus for internal gear	IGE-DMC-ICRB2040
Φ3.0mm ruby ball stylus for internal gear	IGE-DMC-ICRB3040
Magnetic adapter plate	IGE-DMC-MST
22mm stylus holder	IGE-DMC-SH22
25mm titanium alloy extension	IGE-DMC-ETA25
50mm titanium alloy extension	IGE-DMC-ETA50
100mm titanium alloy extension	IGE-DMC-ETA100
45mm steering linkage	IGE-DMC-RA45
55mm steering linkage	IGE-DMC-RA55
Elbow connection rod	IGE-DMC-KRA45
Cubic connection rod	IGE-DMC-CC13
Expansion mandrels	6335
Three-jaw chuck	customized according to workpieces

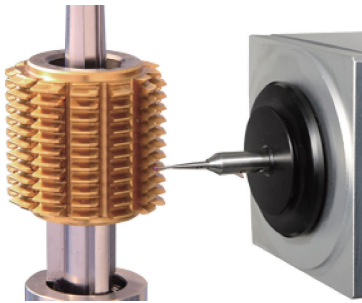
APPLICATIONS



cylindrical gear measuring (included)



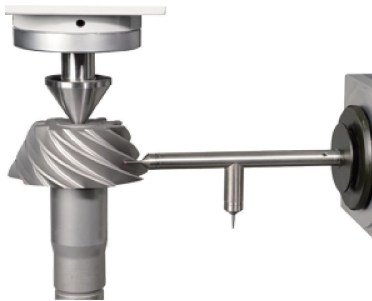
shaving cutter measuring (included)



hob measuring (included)



shaping cutter measuring (included)



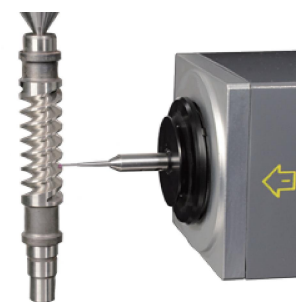
spiral bevel gear measuring (optional)



internal gear measuring (optional)



worm gear measuring (optional)



worm measuring (optional)