



CINCINNATI GEARING SYSTEMS

Manufactured Domestically, Trusted Internationally.™

Gear Units | Component Gearing | Design Engineering | Heat Treating | ISO 9001:2015 | IATF 16949:2016

MILITARY EXPERIENCE

Military and marine propulsion gearing requires a unique approach to both gear design and system integration. Whether it is a clean-sheet design or a standard design, CGS provides the expertise and experienced personnel necessary to not only meet the demanding specifications of the US Military and industrial applications but also complete enclosed drive system packages including lubrication and instrumentation as required by your application specification or certification.

PROGRAMS

MAIN PROPULSION

SSC
Ship-to-Shore Connector

AOE
Fast Combat Support Ship

TAO
Fleet Oiler

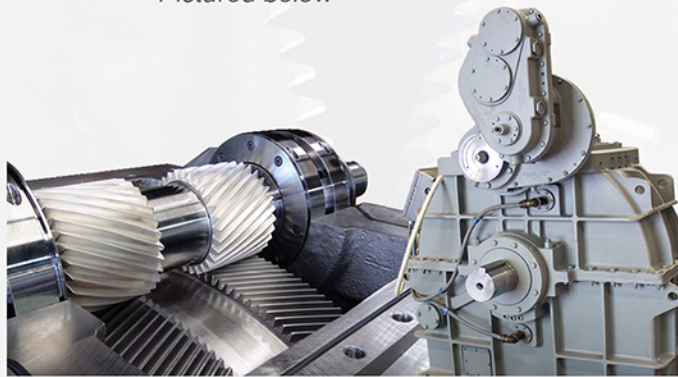
LCAC
Hovercraft
Pictured below



TURBINE TO GENERATOR DRIVES

MK-105
Minesweeper Sled

DDG-51
Critical Shipboard Power
Models 9140, 9160
Pictured below

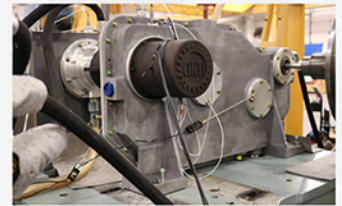


ACCESSORY DRIVES

MK-19
Submarine
Accessory Drive

SSC
APU Drive

MT-30
LCS Mechanical
starting system
Pictured below



ABOUT

Located in Cincinnati, Ohio, Cincinnati Gearing Systems (CGS) is a recognized leader in precision component gear manufacturing and design engineering. More than just a gear manufacturer, CGS offers customers over 115 years of experience in producing high-quality, reliable, and cost-effective component gearing and gear units for a wide range of power transmission applications. Configurations include epicyclic gear units, multiple pinion gear units, parallel shaft designs, vertical and horizontal offsets, dual and single input, single and double helical, and hybrid designs. With in-house full-service manufacturing, design engineering, testing, and heat-treating capabilities, CGS is your single source to satisfy your gearbox requirements.



PRECISION GEAR MANUFACTURING & DESIGN ENGINEERING

cincinnati gearingsystems.com | 513-527-8600 | sales@cincinnati gear.com





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MACHINING CAPABILITIES

TOOTH GRINDING

External Diameter

Min. .75"
Max. 63"

Internal Diameter

Min. 5.0"
Max. 55"

Diametral Pitch

Min. 16 NDP
Max. .75 DP
Max. Face Width 39"
Max. Helix Angle 45°+/-

MILLING

Max. X Axis 200"
Min. X Axis 41.5"
Max. Y Axis 60"
Min. Y Axis 20"
Max. Z Axis 40"
Min. Z Axis 26"

HOBBIING

Min. OD .5"
Max. OD 149"
Min. NDP 64
Max. NDP 1.5
Max. Face Width 54"
Max. Helix Angle 45°

OD/ID SURFACE GRINDING

External

Max. OD 42"
Max. Length 96"

Internal

Min. OD .75"
Max. OD 32"
Min. ID .5"
Max. ID 24"
Bore Length 13.5"

GEAR SHAPING

Max. Internal 55"
Min. Internal 2"
Max. NDP 2
Min. NDP 24
Max. Face Width 9.4"

TURNING

Outside Dia. 106.3"
Max. Height 79"
Shaft Outside Dia. 32"
Shaft Length 144"

QUALITY

AGMA 2000 Q13
ISO 1328 A4
ISO 9001:2015
IATF 16949:2016

