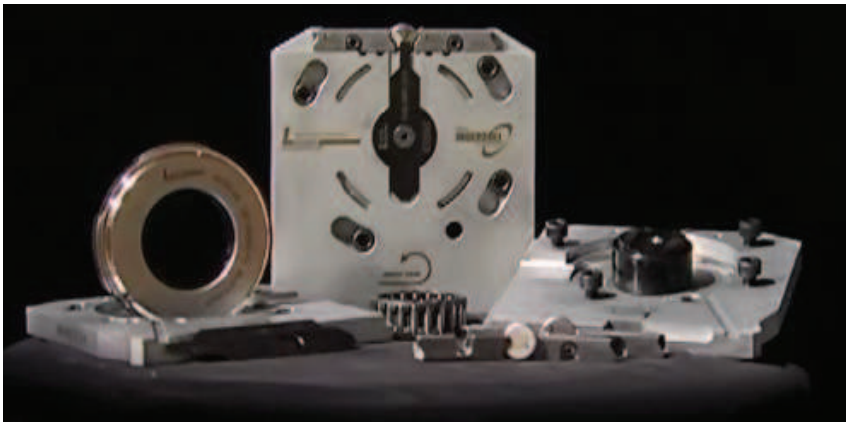


# **L**ONERO **ENGINEERING CO., INC.**

*Deep Rolling Tool Specialists*



**FOUNDED IN 1951, LONERO ENGINEERING SPECIALIZES IN THE DESIGN, ENGINEERING AND MANUFACTURING OF TIGHT TOLERANCE PRECISION MACHINED COMPONENTS & FIXTURES**

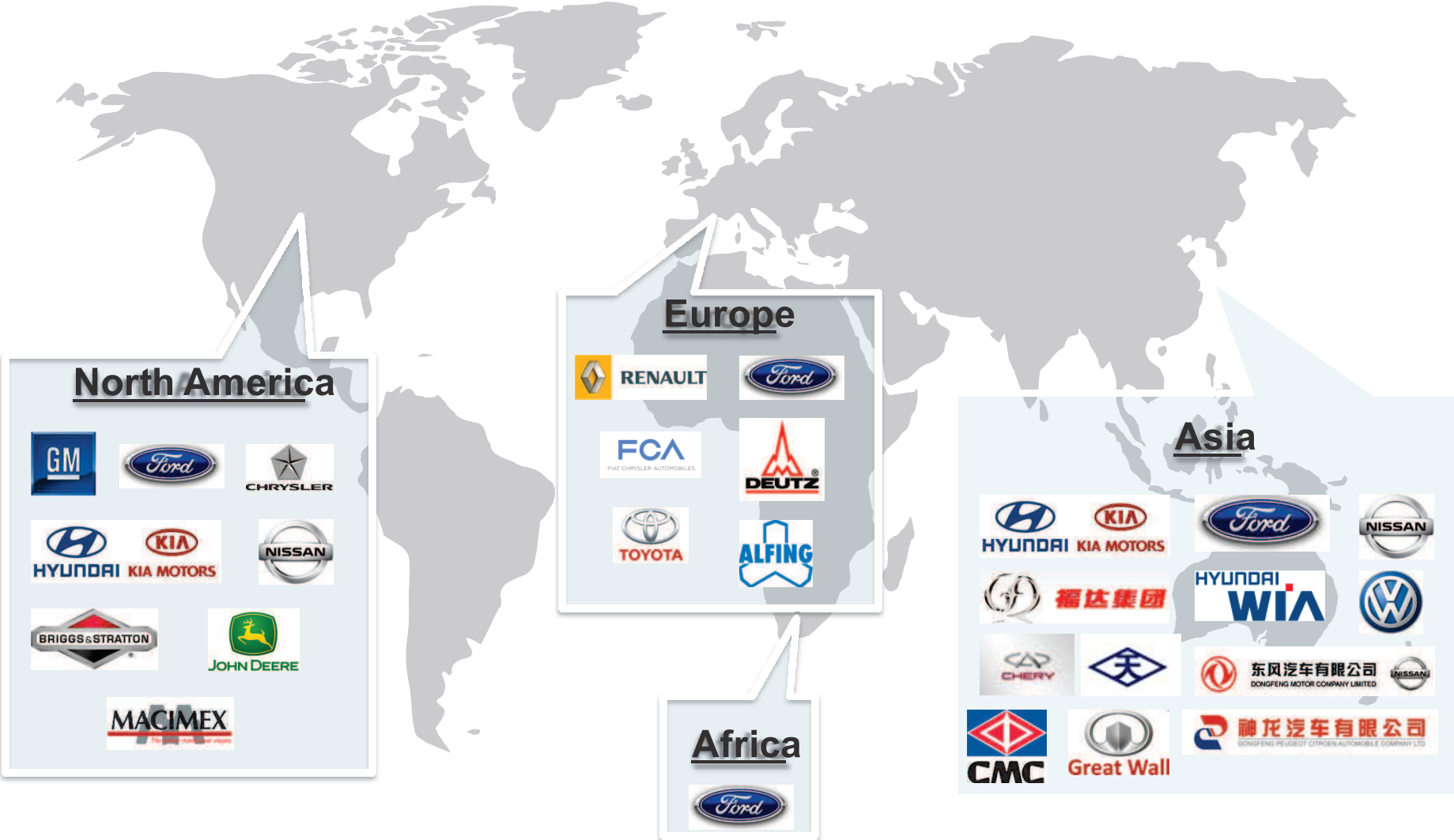


**INDUSTRY LEADER IN CRANKSHAFT DEEP FILLET ROLLING FOR OVER 40 YEARS**



**LONERO ENGINEERING'S PATENTED TWIST TOOL ASSEMBLY WITH DOUBLE-SIDED BLADE CAGES**

# GLOBAL SUPPLY PRESENCE



# ***EXCLUSIVE TOOLING PARTNERSHIP***



**LONERO**  
ENGINEERING CO., INC.

*Deep Rolling Tool Specialists*

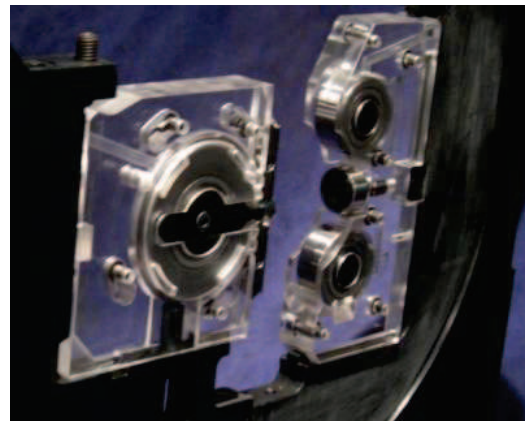
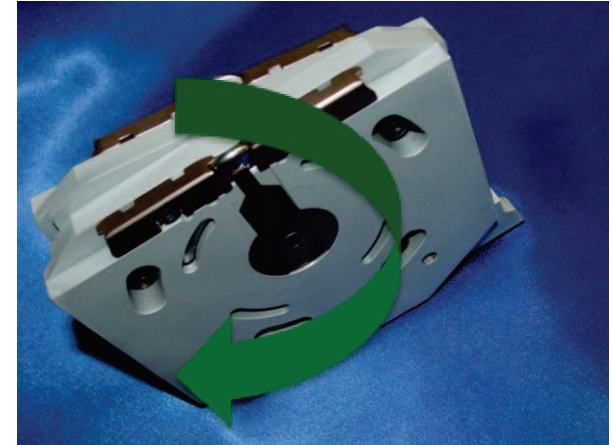
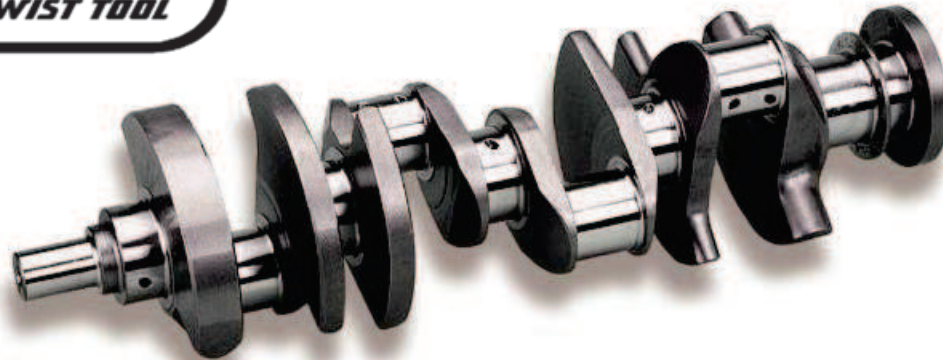
**DMTG**  
**INGERSOLL**  
CM SYSTEMS

Hegenscheidt  MFD

***CAPABLE OF DESIGNING AND PRODUCING TOOLS FOR  
VARIOUS MACHINE STYLES AND MANUFACTURERS WITH  
NO MODIFICATIONS TO EXISTING EQUIPMENT.***

# FILLET ROLLING TOOLING

## LONERO'S PATENTED TWIST TOOL



## TWIST TOOL DESIGN FEATURES

2 PIECE HOUSING DESIGN (PATENTED)

HARDENED STEEL DOUBLE SIDED BLADE CAGES (PATENTED)

DURABLE PRE-HEAT TREATED HOUSING MATERIAL WITH ARMOR CLAD COATING

STANDARDIZATION OF PERISHABLE COMPONENTS ACROSS ALL TOOLS

# ***TWIST TOOL ADVANTAGE***



***LOWER COST INITIAL INVESTMENT  
FEWER COMPONENTS PER ASSEMBLY  
ACCURATE WORK ROLL POSITIONING  
NO ADJUSTMENT TO SET PROPER CLEARANCE  
DOUBLE SIDED BLADE CAGES = DOUBLE THE LIFE OF EACH CAGE  
MINIMUM TRAINING REQUIRED FOR TOOL SETTER  
CHANGE BLADE CAGES AND WORK ROLLS IN SECONDS  
IDENTICAL BLADE CAGE USED ON ALL TOOLS / ALL POSITIONS***

# FACILITY & EQUIPMENT

**LONERO ENGINEERING OPERATES FROM AN 18,000 SQ. FT. FACILITY LOCATED IN TROY, MICHIGAN, USA.**

## **GRINDING**

- (5) Ded-Tru Grinders
- (4) O.D./I.D. Grinders
- (3) Parker Surface Grinders
- (2) Sunnen Honers
- (2) Moore Jig Grinders
- Okamoto 16-24EX Grinder
- Okamoto 16-32EX Grinder



## **MILLING**

- (5) Bridgeports
- (4) Saeilo Horizontal CNCs
- (3) Emco Benchtop VMCs
- Hass ES-5 Horizontal CNC
- Horizontal Saw Hass VF-4 CNC VMC
- Mitsubishi CNC VMC
- Takumi CNC VMC



## **TURNING**

- Miyano LZ-Series Lathe
- (3) Okuma Crown CNC Lathes
- (2) Haas CNC Lathes
- Bridgeport EZ-Path Lathe
- Citizen A-20 Turning Center

## **POLISHING/LASER ETCHING**

- (2) RMI Lasers
- Parker I.D. Polisher
- Graviflo Large Tumbler
- Graviflo Small Tumbler
- Epilog Laser

## **INSPECTION**

- Ziess Contura G2 CMM
- Hommel FormTester Air Table
- Starrett Optical Comparator
- OGP Smartscope FOV
- OGP Flash Scope
- Rockwell Hardness Tester