

Hilco Industrial, LLC & Maynards Industries

# WEBCAST/ONSITE AUCTION

**COMPLETE ENGINE MANUFACTURING FACILITY**  
**(2) COMPLETE ENGINE MANUFACTURING LINES FOR 2.7L & 3.5L V6 ENGINES**  
**CNC MACHINERY, TOOLROOM, FABRICATING, HEAT TREAT,**  
**QUALITY CONTROL, MATERIAL HANDLING & SUPPORT EQUIPMENT**

Located at Kenosha Engine Plant, Kenosha, WI USA

**Old Carco Liquidation Trust**

owner of the assets formerly owned by  
Chrysler LLC



**TUESDAY, JULY 19TH THROUGH THURSDAY, JULY 21ST**  
**BEGINNING AT 10AM LOCAL TIME**  
**KENOSHA, WI**

Real Estate With a Land Area of 109 Acres & Building Area of 1.869 Million Sq. Ft.

**Maynards**  
SINCE 1902

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# HILCO INDUSTRIAL, LLC WEBCAST/ONSITE AUCTION

## Old Carco Liquidation Trust

owner of assets formerly owned by  
**Chrysler LLC**

### AUCTION DATE

TUESDAY, JULY 19<sup>TH</sup> THRU  
THURSDAY, JULY 21<sup>ST</sup>  
BEGINNING AT 10AM LOCAL TIME  
EACH DAY

### PREVIEW DATE

MONDAY, JULY 18<sup>TH</sup>  
9AM TO 4PM LOCAL & MORNING OF SALE

FOR EARLIER INSPECTION, PLEASE CONTACT KEN PLANET  
AT 248.254.9999 x33 OR EMAIL KPLANET@HILCOIND.COM

### AUCTION & PREVIEW LOCATION

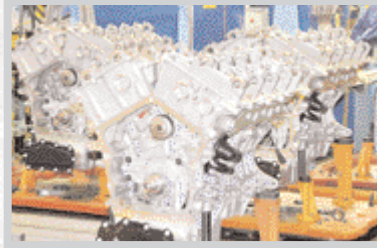
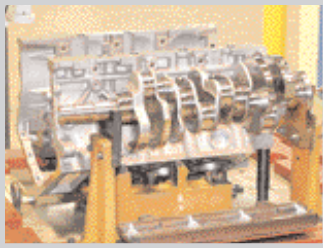
5555 30TH AVENUE  
KENOSHA, WI  
(SEE DIRECTIONS FOR PLANT ACCESS)

### DIRECTIONS

FROM O'HARE INTERNATIONAL AIRPORT (ORD) OR MITCHELL INTERNATIONAL AIRPORT (MKE): TRAVEL TO I-94 NEAR KENOSHA, WI. TAKE EXIT #342 FROM I-94 / WI RTE 158 (52ND STREET). TRAVEL EAST ON WI RTE 158 (52ND ST) FOR APPROX 5.8 MILES TO 26TH AVE. TURN RIGHT ONTO 26TH AVE – TRAVEL ONE BLOCK TO 53RD ST AND GATE 17 ENTRANCE. THIS IS THE ONLY ENTRANCE TO KEP SITE.

### FURTHER INFORMATION

- A BUYERS PREMIUM OF 13.5% FOR ALL ONSITE SALES & 16% FOR ALL WEBCAST SALES WILL BE IN EFFECT. AUCTION WILL BE CONDUCTED IN ENGLISH, ACCEPTING U.S. CURRENCY ONLY.
- BIDDERS INTENDING ON ATTENDING IN PERSON MUST REGISTER ON SITE BEFORE THE AUCTION.
- REMOVAL DEADLINE TO BE DETERMINED, WITH DETAILS AVAILABLE AT WWW.HILCOIND.COM. AFTER THE NOTED DEADLINE AT 4PM THE EQUIPMENT WILL BE DEEMED ABANDONED AND PAYMENT WILL NOT BE REFUNDED.
- RIGGER OF CHOICE PROVIDED THAT PROPER PROOF OF INSURANCE AND SAFETY REQUIREMENTS ARE MET AND SUBJECT TO DETAILED SITE CLEARANCE PROCEDURES.
- FOR FURTHER INFORMATION ON MACHINERY & EQUIPMENT, PLEASE CONTACT KEN PLANET AT 248.254.9999 x33 OR EMAIL KPLANET@HILCOIND.COM
- FOR PAYMENTS PLEASE CONTACT LESIA JOSEPH AT 616.732.1800 X19 OR EMAIL LJJOSEPH@HILCOIND.COM OR HILCO ACCOUNTS RECEIVABLE AT HIN\_AR@HILCOIND.COM
- FOR CUSTOMER SERVICE, PLEASE CONTACT SANDI NEELY AT 248.254.9999 X16 OR EMAIL SNEELY@HILCOIND.COM



## 3.5L ENGINE LINE

(Line is fully automated with Liebherr Gantry Loading Systems)

COMPLETE 3.5L ENGINE LINE – MAY BE OFFERED IN BULK WITH CERTAIN WORLDWIDE IPR MANUFACTURING RIGHTS, AS COMPONENT LINES AND AS INDIVIDUAL MACHINES

Displacement/Power: 3.5L • 6-Cylinder, Aluminum, Gasoline/Petrol 24-Valve, SOHC, Electronic Throttle • Capacity: 60 Engines Per Hour  
Year of Installation: 2002

### 3.5L Cylinder Block Line

Grob, Nagel, Durr, Gilman ..... page 3

### 3.5L Cylinder Head Line

Lamb, Durr ..... page 4

### 3.5L Connecting Rod Line

Alfing, Gardner, Nagel ..... page 4

### 3.5L Crankshaft Line

Landis, Heller, Impco, Schenck, Etxe-Tar ..... page 5

### 3.5L Camshaft Line

Landis, Impco, Phillips, Etxe-Tar ..... page 6

## 2.7L ENGINE LINE

(Line is fully automated with Liebherr Gantry Loading Systems)

COMPLETE 2.7L ENGINE LINE – MAY BE OFFERED IN BULK WITH CERTAIN WORLDWIDE IPR MANUFACTURING RIGHTS, AS COMPONENT LINES AND AS INDIVIDUAL MACHINES

Displacement/Power: 2.7L • 6-Cylinder, Aluminum, Gasoline/Petrol 24-Valve, DOHC, dVVT, Electronic Throttle • Capacity: 95 Engines Per Hour  
Year of Installation: 1996

### 2.7L Cylinder Block Line

Giddings & Lewis, Ingersoll, Micromatic ..... page 7

### 2.7L Cylinder Head Line

Giddings & Lewis, Ingersoll, Gilman ..... page 8

### 2.7L Connecting Rod Line

Excello, Mattison, Nagel ..... page 8

### 2.7L Crankshaft Line

Landis, Heller, Ingersoll, Schenck ..... page 9

### 2.7L Camshaft Line

Landis, Impco, Marposs ..... page 10

## SUPPORT MACHINERY & EQUIPMENT PAGES 11-15

2 To schedule an auction, please call Hilco Industrial, LLC at 1.877.37.HILCO (44526)



# 3.5L SOHC 24-VALVE 60° V6 ENGINE

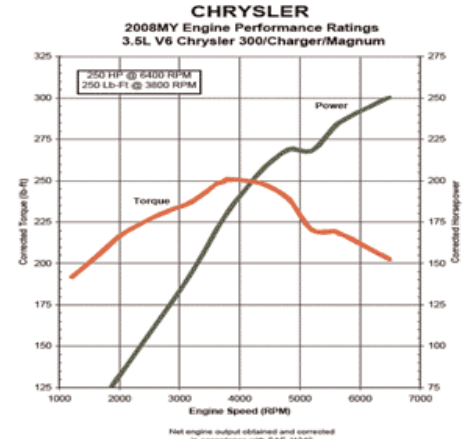
**COMPLETE 3.5L ENGINE LINE – may be offered in bulk with certain worldwide IPR manufacturing rights, as component lines and as individual machines**

Developed in the early 1990's with volume production in 1993. Vehicle Usages included the Dodge Intrepid, Chrysler 300, Dodge Charger, Dodge Magnum, Eagle Vision, Chrysler Pacifica, Chrysler Concorde, Plymouth Prowler, Dodge Journey.

Technical attributes based on 2010MY 3.5L -SOHC engine used in the Chrysler 300 vehicle:

- The Chrysler 300 is a North-South engine application.
- Engine dress components are not included in base engine as shipped from engine assembly plant.
- Example: Machines, belt, mounts, and air induction components.

Basic Dimensions		Performance
Displacement	3518 cc	<ul style="list-style-type: none"> <li>• <b>Peak Power</b> 250 Hp (186 kW) @ 6400 RPM</li> <li>• <b>Peak Torque</b> 250 Lb-Ft (339 Nm) @ 3800 RPM</li> <li>• Ratings based on J1349 JUN1995</li> <li>• (c/o -not re-rated to August '04 standard)</li> <li>• <b>Exhaust Back Pressure</b> 14 in.Hg @ 1490 lbm/hr flow -steady state</li> <li>• <b>Fuel Shut-Off</b> 6450 RPM</li> <li>• <b>Fuel Consumption</b> 1600 RPM 2.4 bar = 316 BSFC (g/kW-hr) w/EGR 2000 RPM 2.0 Bar = 353 BSFC a(g/kW-hr) W/EGR</li> </ul>
Bore Diameter	96 mm	
Stroke	81 mm	
Bore/Stroke Ratio	1.19	
Bore Spacing	113.3 mm	
Block Length	409.6 mm	
Block Height	229.3 mm	
Rod Length	151 mm	
Piston Height	38.14 mm	
Compression Ratio	9.8:1	
Firing Order	1-2-3-4-5-6	
Oil Type	10W-30	
Leading Bank	Right	
Bank Offset	43 mm	



## 3.5L CYLINDER BLOCK LINE



GROB BLOCK MACHINING TRANSFER LINE

- (8) **GROB TRANSFER LINES** - Machining Operations: 11 Station, Op 310; (2) 18 Station, Ops 320 & 340; (3) 22 Station, Ops 330, 350 & 20; 17 Station, Op 30; 28 Station, Op 40
- (2) **DURR WASHING MACHINES**, Op 360 - Wash Block, Op 60 - Final Wash
- (2) **GILLMAN ASSEMBLY TRANSFER LINES**, Op 10 & 70
- **NAGEL HONING MACHINE**, Op 50 - Hone Cylinder Bores



GROB BLOCK MACHINING TRANSFER LINE



CENTRI-SPRAY WASHING MACHINE



NAGEL BLOCK CYLINDER BORE HONING MACHINE (OP 50)



DURR BLOCK WASHING MACHINE

To schedule an auction, please call Maynards Industries at 248.569.9781





# 3.5L CYLINDER HEAD LINE

- (7) **LAMB TRANSFER LINES** - Machining Operations: 33, 28, 18, 26, 27, 19 & 29 Station, Ops 310, 320, 330, 340, 350, 20 & 30
- (2) **DURR WASHING MACHINES**, Ops 10 & 50
- **ABB ROBOT**, Op 40 - Deburring Operation
- **LAMB ASSEMBLY MACHINE**, Op 60



LAMB CYLINDER HEAD ASSEMBLY LINE



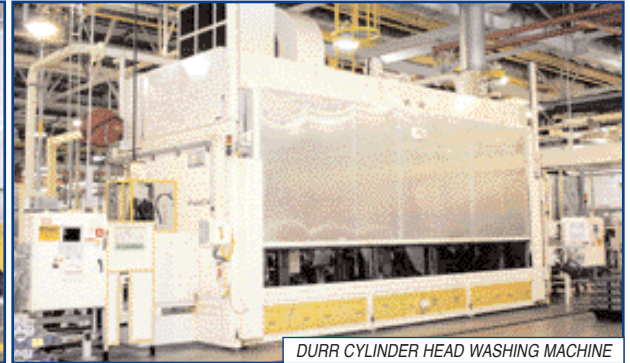
ABB ROBOTIC DEBURRING STATION (OP 40)



ZEISS CYLINDER HEAD CMM INSPECTION MACHINE



LAMB CYLINDER HEAD MACHINING TRANSFER LINE



DURR CYLINDER HEAD WASHING MACHINE



# 3.5L CONNECTING ROD LINE

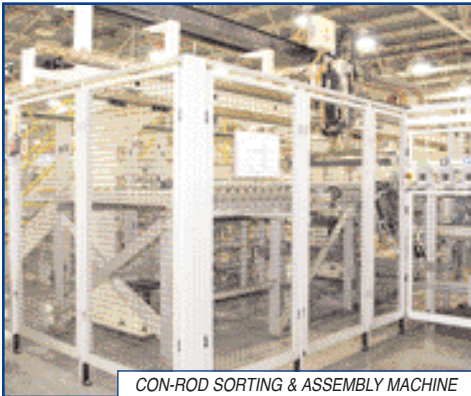
- **LANDIS GARDNER GRC-1000 DOUBLE DISC GRINDER**, S/N GC-93008 (2000), Op 310 - Rough Grind Connecting Rod Flat
- (4) **ALFING TRANSFER LINES**: Op 320 (2001) & Op 30 - Machining Operations; Op 10 (2001) - Etch, Crack & Assemble Connecting Rod; Op 40 (2001) - Drill Oil Hole
- **LANDIS GARDNER GRC-1000 DOUBLE DISC GRINDER**, S/N GC-93009 (2001), Op 20 - Finish Grind Connecting Rod Flat
- **NAGEL 6PV-T HONING MACHINE**, S/N 28-7812, Op 50 - Hone Big & Small Bore
- **CENTRI-SPRAY WASHING MACHINE**, Op 60
- **LIEBHERR O/H GANTRY & STORAGE SYSTEM**, Op 70 - Transport & Store Connecting Rods



ALFING CON-ROD CRACKER (OP 10)



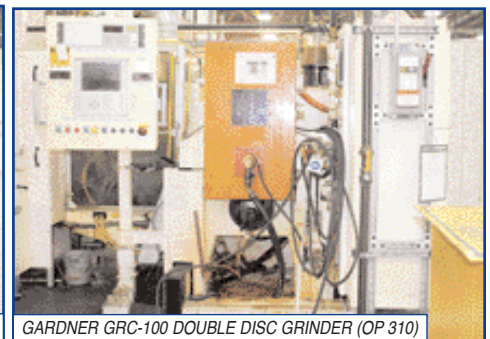
ALFING CON-ROD MACHINING TRANSFER LINE



CON-ROD SORTING & ASSEMBLY MACHINE



NAGEL MODEL 6PV-T CON-ROD BORE HONING MACHINE (OP 50)



GARDNER GRC-100 DOUBLE DISC GRINDER (OP 310)





# 3.5L CRANKSHAFT LINE

- **SCHENCK TURNER TRANSFER LINE**, CAB 750 Control, Op 10 - Mill to Length, Mass Center
- **(5) HELLER DRZ 20/2/800 TURN BROACHES**: S/Ns 46-44396-00 (2000), 46-44400-00 & 46-44404-00 (Both 2001), Num Control, Ops 20A, 20B & 20C - Rough Post & Flange; S/Ns 46-44398-00 (2000), 46-44402-00 (2001), Num Control, Ops 40A & 40B - Semi Finish Mains
- **(3) HELLER RFK 20/2/800 EXTERNAL CRANK MILLS**: S/Ns 47-443970 (2000), 46-44401-00 & 47-44405-00 (Both 2001), Num Control, Op 30A, 30B & 30C - Rough Pins; S/Ns 47-44399-00 (2000), 47-44403-00 (2001), Num Control, Ops 50A & 50B - Semi Finish Pins
- **ICMS FILLET ROLLING MACHINE**, S/N 2257A, Op 60 - Deep Fillet Roll Pins & Mains
- **(2) ETXE-TAR TRANSFER LINES**, Modicon PLC Control, Op 70 - Drill Oil Holes, Op 80 - Machine Flange Holes & Post
- **(2) LANDIS 5SE MULTI WHEEL GRINDERS**, S/Ns 944-23, 944-24 (Both 2000), System 6400 Control, Ops 90A & 90B - Finish grind 4 Mains, 1 seal, 1 flange dia.
- **LANDIS 4SE PLUNGE GRINDER**, S/N LT-934-19 (2000), System 6400 Control, Op 100 - Finish grind 3 post end dias.
- **MARPOSS IN LINE INSPECTION STATION**, E9066 Control, Op 103 - Inspect Crankshaft
- **(5) LANDIS 3L ORBITAL CBN CRANKPIN GRINDERS**, S/N 928-49, 50, 51, 52, 53 (All 2000), System 6400 Control, Op 110A - 110E - Finish grind 6 pins, Modicon PLC
- **QPAC QJ0 471 CRANK & CAM REPAIR POLISHER**, S/N MP0201075, Off-Line Operation - Repair Lapping
- **(3) LANDIS 3LB CBN MAIN BEARING GRINDERS**, S/Ns LT-942-74, 75, 76 (All 2000), Capacity 250mm x 680mm, System 6400 Control, Ops 120A - 120C - Finish grind 2 thrustwalls of #2 MB & 1 pilot dia.
- **(2) MARPOSS IN LINE INSPECTION MACHINES**, Ops 123, 130A - Inspect Crankshaft
- **ABB IRB6400 ROBOT** (2000), Op 130B - Deburr & Chamfer Oil Holes
- **SCHENCK BALANCER TRANSFER LINE**, S/N 50635, Op 140 - Measure Mass Distribution
- **SCHENCK BALANCE GAGE**, S/N 51640, Op 140 - Off-Line Balance
- **IMPSCO 1640 XT MICRO FINISHING SYSTEM**, S/N MF 200 2104, Op 150 - Micro-rough, micro finish 4 MB, Modi HMI
- **MARPOSS FINAL GAGE**, E9066 Control, Op 160 - Final Crankshaft Inspection
- **CENTRI-SPRAY CRANK WASHER**, S/N 7100-001, Op 170
- **ADCOLE 1200-2 INSPECTION MACHINE**, S/N 7666, LK G80C CMM, S/N 1032, & **WILLIS RD1100 RADIAL DRILL** (2002), Offline Operation



ADCOLE 1200-2 CRANKSHAFT INSPECTION MACHINE



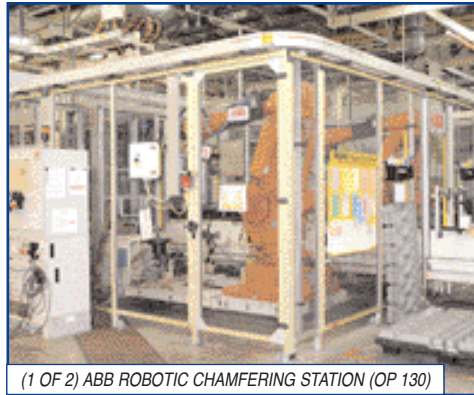
ETXE-TAR OIL HOLE DRILLING TRANSFER LINE (OP 70)



SCHENCK END FACE & MASS CENTER MACHINING LINE (OP 10)



(1 OF 2) LANDIS 5SE MULTI-WHEEL MAIN BEARING GRINDERS (OP 90)



(1 OF 2) ABB ROBOTIC CHAMFERING STATION (OP 130)



(1 OF 3) LANDIS 3LB CBN MAIN BEARING GRINDERS (OP 120)



(1 OF 5) HELLER DRZ 20/2/800 TURN BROACHES (OP 20 & OP 40)



(1 OF 5) LANDIS 3L ORBITAL CBN PIN CHASER GRINDERS (OP 100)



INGERSOLL CM SYSTEMS FILLET ROLLING MACHINE





# 3.5L CAMSHAFT LINE

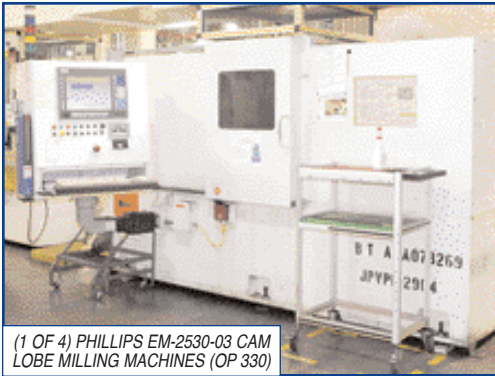
- **ETXE-TAR TRANSFER LINE**, Modicon HMI Control, Op 310 - Mill to Length, Center Drill
- **(2) FEDERAL MOGUL TRI-WAY TURNING MACHINES (BOTH 2001)**, Ops 320A & 320B - Turn Flange & Seal, Journal Dials.
- **(4) PHILLIPS EM-2530-03 CAM LOBE MILLING MACHINES, S/NS EM-00-2772, 2773, 2774, 2775 (ALL 2001), OPS 330 AA, 330 BA, 330 AB, 330 BB** - Rough Eccentric Milling of Lobes
- **24" ADCOLE 911-24 INSPECTION MACHINE**, S/N 7675 (2000), Op 335 A & B - Inspect Camshaft
- **INDUCTOHEAT TWIN SPINDLE SCANNERS (2001)**, Ops 340 A & B - Harden Lobes
- **(2) IMPCO STRAIGHTENING PRESSES**, S/NS IR 200 2106 & 2107 (Both 2001), Ops 350 A & B - Straighten Camshaft
- **(2) LANDIS 5SE MULTI WHEEL GRINDERS**, S/NS LT-944-21 & 22 (Both 2001), System 6400 Control, Ops 360 A & B - Grind Main Bearings
- **(6) LANDIS 3L CBN CAM LOBE GRINDERS**, S/NS 942-68 thru 73 (All 2001), System 6400 Control, Ops 370 AA, AB, AC, BA, BB & BC - Grind All Cam Lobes
- **(2) IMPCO 1540XT WS MICRO FINISHING MACHINES**, S/N MF200-2102 & 2103 (2001), Ops 380 A & B - Micro Finish 4 Mains / 9 Lobes
- **(2) MARPOSS M110 FINAL GAGES**, S/NS U00LP0016 & U00LP0004 (Both 2001), E9096 Control, Ops 390 A & B - Inspect Camshaft
- **CENTRI-SPRAY WASHER**, S/N 2002 (2001), Op 400



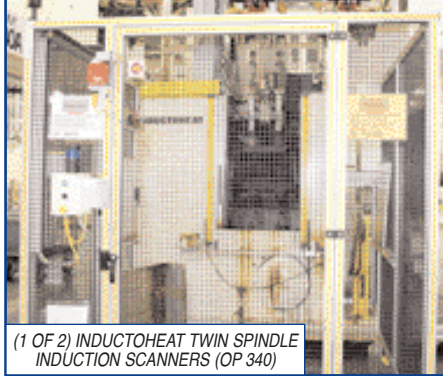
(1 OF 2) ADCOLE 911 CAMSHAFT MEASURING MACHINE (OP 335)



(1 OF 2) TRI-WAY END TURNING MACHINE (OP 320)



(1 OF 4) PHILLIPS EM-2530-03 CAM LOBE MILLING MACHINES (OP 330)



(1 OF 2) INDUCTOHEAT TWIN SPINDLE INDUCTION SCANNERS (OP 340)



(1 OF 2) IMPCO STRAIGHTENING PRESSES (OP 350)



(1 OF 2) LANDIS 5SE MULTI-WHEEL MAIN BEARING GRINDER (OP 360)



(1 OF 6) LANDIS 3L CBN CAM LOBE GRINDER (OP 370)



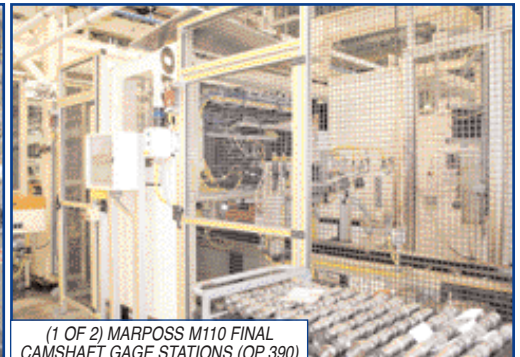
(1 OF 6) LANDIS 3L CBN CAM LOBE GRINDER (OP 370)



(1 OF 6) LANDIS 3L CBN CAM LOBE GRINDER (OP 370)



(1 OF 2) IMPCO 1540XT CAMSHAFT MICRO FINISHING MACHINE (OP 380)



(1 OF 2) MARPOSS M110 FINAL CAMSHAFT GAGE STATIONS (OP 390)



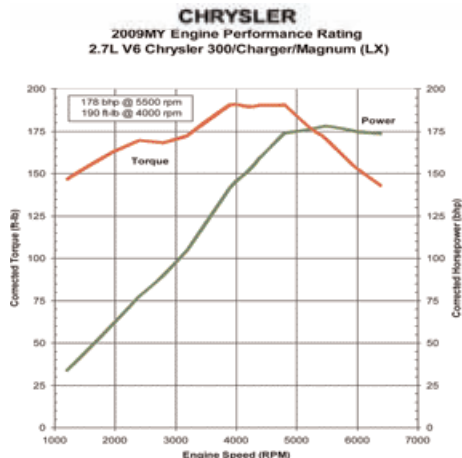
# 2.7L DOHC 24-VALVE 60° V6 ENGINE

**COMPLETE 2.7L ENGINE LINE – may be offered in bulk with certain worldwide IPR manufacturing rights, as component lines and as individual machines**

Developed in the mid 1990's with volume production 1998 MY. Vehicle usages included the Dodge Intrepid, Chrysler 300, Dodge Charger, Dodge Magnum, Eagle Vision, Chrysler Pacifica, Chrysler Concorde, Dodge Journey, Dodge Stratus, Chrysler Cirrus, Chrysler Sebring.

Technical attributes based on 2010MY 2.7L -DOHC engine used in the Dodge Charger vehicle:

- The Dodge Charger is a North-South engine application.
- Engine dress components are not included in base engine as shipped from engine assembly plant.
- Example: Machines, belt, mounts, and air induction components.



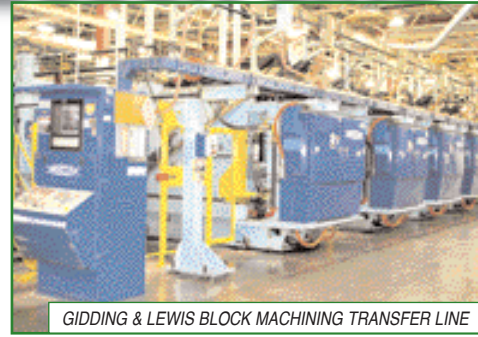
Basic Dimensions	
Displacement	2736 cc
Bore Diameter	86 mm
Stroke	78.5 mm
Bore/Stroke Ratio	1.1
Bore Spacing	104 mm
Block Length	447 mm
Block Height	210 mm
Rod Length	139.75 mm
Piston Height	31.2 mm
Compression Ratio	9.9:1
Firing Order	1-2-3-4-5-6
Oil Type	5W-20
Leading Bank	Right
Bank Offset	37.3 mm

Performance	
• <b>Peak Power</b>	178 Hp (133 kW) @ 5500 RPM
• <b>Peak Torque</b>	190 Lb-Ft (258 Nm) @ 4000 RPM
	• Ratings based on J1349 AUG2004
• <b>Exhaust Back Pressure</b>	7 in.Hg @ 1270 lbm/hr total flow -transient
• <b>Fuel Shut-Off</b>	6464 RPM
• <b>Fuel Consumption</b>	1600 RPM 2.4 bar = 353 BSFC (g/kW-hr) w/EGR
	2000 RPM 2.0 Bar = 386 BSFC (g/kW-hr) W/EGR



## 2.7L CYLINDER BLOCK LINE

- **G & L 32 STATION TRANSFER LINE**, Op 310 – Rough Mill Operation
- **G & L 27 STATION TRANSFER LINE**, Op 320 – Rough Mill & Drill Cylinder Bore Operation
- **G & L 22 STATION TRANSFER LINE**, Op 330 – Drill Block Deck Operation
- **G & L 25 STATION TRANSFER LINE**, Op 340 – Drill, Tap Bearing Cap Mounting Holes
- **G & L CAROUSEL WASHER**, Op 350 – Primary Block Washer
- **G & L 26 STATION ASSEMBLY LINE**, Op 10 – Bearing Cap Assembly & Leak Test
- **G & L 15 STATION TRANSFER LINE**, Op 20 – Drill Oil Pan Mounting Holes
- **G & L 20 STATION LIFT & CARRY**, Op 30 – Underbank Drill
- **G & L 20 STATION TRANSFER LINE**, Op 40 – Drill Ends
- **G & L (2) 8 STATION TRANSFER LINES**, Ops 50A & 50B – Crank Bore
- **G & L (2) 15 STATION TRANSFER LINES**, Ops 60A & 60B – Finish Cylinder Bore/Banks
- **G & L 23 STATION TRANSFER LINE**, Op 70 – Bore Block Deck Dowels
- **MICROMATIC 36 STATION HONING TRANSFER LINE**, Op 80 – Hone & Microsize Cylinder Bores
- **G & L FINAL BLOCK WASHER**, Op 90
- **G & L 30 STATION TRANSFER LINE**, Op 100 – Cup Plug Assembly/Leak Test



To schedule an auction, please call Maynards Industries at 248.569.9781





# 2.7L CYLINDER HEAD LINE

- (2) **G & L 14 STATION TRANSFER LINES**, Ops 310LH, 310RH – Rough Mill, Drill and Bore
- (2) **G & L 20 STATION TRANSFER LINES**, Ops 320LH, 320RH – Drill, Ream, Chamfer, Tap, Bore
- (2) **G & L 22 STATION TRANSFER LINES**, Ops 330LH, 330RH – Mill, Drill, Chamfer, Tap
- (2) **G & L 28 STATION TRANSFER LINES**, Ops 340LH, 340RH – Drill, Chamfer, Tap, Ream
- (4) **G & L 18 STATION TRANSFER LINES**, Ops 350LH, 360LH, 350RH, 360RH – Drill, Rough Bore, Chamfer, Gage
- (2) **G & L 18 STATION TRANSFER LINES**, Ops 10LH, 10RH – Assemble Valve Seat Inserters and Guides
- (2) **G & L 9 STATION TRANSFER LINES**, Ops 20LH, 20RH – Blow-Off and Assemble Bearing Caps
- (2) **G & L 15 STATION TRANSFER LINES**, Ops 30LH, 30RH – Finish Valve Seats, Ream G. Holes
- (2) **G & L 23 STATION TRANSFER LINES**, Ops 40LH, 40RH – Semi-Finish, Finish Mill
- (2) **G & L CAROUSEL WASHERS**, Ops 370LH, 370RH – Primary Head Washer
- (2) **G & L CAROUSEL WASHERS**, Ops 50LH, 50RH – Final Head Washer
- (2) **G & L 22 STATION TRANSFER LINES**, Ops 60LH, 60RH – Cup Plug Assembly, Leak Tests
- (2) **G & L OPS 70LH & 70RH** – Off Line Dunk Tests



GIDDINGS & LEWIS CYLINDER HEAD TRANSFER LINE



ZEISS CENTRAMAX HEAD CMM INSPECTION



GIDDINGS & LEWIS CYLINDER HEAD TRANSFER LINE



CENTRAL COOLANT SYSTEM FILTRATION GALLERY



INGERSOLL RAND HEAD WASHING MACHINE



# 2.7L CONNECTING ROD LINE

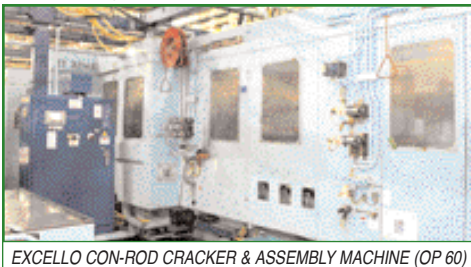
- **VALIANT CONVEYOR HOPPER & GANTRY SYSTEM**, Op 5 – Conveyor Lift & Carry, BT 321423
- (2) **VALIANT CONVEYORS**, Ops 15 & 25 – Conveyor Lift & Carry, BTs 321426 & 321428
- **EXCELLO 9 STATION TRANSFER LINE**, Op 30 – Bore & Chamfer Both Bores, BT 321427
- **EXCELLO 15 STATION TRANSFER LINE**, Op 40 – Drill, Chamfer, & Tap Bolt Holes, BT 321429
- **INGERSOLL WASHER**, Op 50 – Connecting Rod Washer
- **EXCELLO 9 STATION TRANSFER LINE CRACKER**, Op 60 – Crack rods, Install bolts, Press bushing
- **MATTISON DOUBLE DISC GRINDER**, Op 70 – Grind Rod Flat
- **EXCELLO 6 STATION TRANSFER LINE**, Op 80 – Finish bore both ends, mill slots
- **EXCELLO 8 STATION TRANSFER LINE**, Op 90 – Drill Oil Hole
- **NAGEL HONING MACHINE**, Op 100 – Finish Hone Big & Small Bores
- **INGERSOLL WASHER**, Op 110 – Connecting Rod Washer
- **VALIANT STORAGE SYSTEM**, Op 120 – Store Connecting Rods



EXCELLO CON-ROD TRANSFER LINE



INGERSOLL RAND WASHING MACHINE (OP 100)



EXCELLO CON-ROD CRACKER & ASSEMBLY MACHINE (OP 60)



MATTISON DOUBLE DISC GRINDER (OP 70)



NAGEL CON-ROD HONING MACHINE (OP 100)





# 2.7L CRANKSHAFT LINE

- **ICMS TRANSFER LINE**, S/N 652, Op 10 – Ends Prep / Qualifies Length
- **(3) ICMS BROACHING MACHINES**
- **(3) HELLER RFK 200/800/2 TWIN HEAD CRANKMILLS**, S/Ns 43-42904-00, 43-42905-00, 43-42906-00 (All 1996), UniPro CNC 90 Control, Ops 30A, B & C – Rough Mill Pins & Cheek Counterweights
- **(2) ICMS BROACHING MACHINES**, S/Ns 654 A10 & A20, Ops 40A & B – Finish turn all mains & top counterweights
- **(2) HELLER RFK 200/800/2 TWIN HEAD CRANKMILLS**, S/Ns 43-42907-00 & 43-42908-00 (Both 1996), UniPro CNC 90 Control, Op 50A & B – Finish Mill Pins & Ucuts
- **ICMS DEEP FILLET ROLL CRANK**, S/N 655, Op 60 – Fillet Roll Pins & Mains
- **(3) KREUGER OIL HOLE DRILL TRANS LINES**, Ops 70A & B – Drill Oil Holes in Pins & Mains, Op 90 – Drill & Tap Flange & Post
- **(2) ICMS THRUST FACE TRANSFER MACHINING CENTERS**, S/Ns 656A10, 656A20, Indramat Control, Op 80A & B – Turn Thrust Face
- **MARPOSS M110 MODULAR IN-LINE GAGE**, E9066 Control, Op 85 – Inspect Crankshaft
- **(2) LANDIS 5RE MULTI WHEEL GRINDERS**, S/Ns LT907-70 & 71, Capacity 16" x 35", System 3200 Control, Ops 100A & B – Finish Grind 4 Main Journals & Rear Oil Seal Dials.
- **(2) LANDIS 3SEH GRINDERS**, S/Ns 908-31 & 32, System 3200 Control, Op 110A & B – Grind 4 Post End Dials.
- **MARPOSS IN LINE GAGE**, Op 115 – Post, 4 Mains, Oil Seal
- **(6) LANDIS 5RE SHD CRANK PIN GRINDERS**, S/Ns LT-916-57 thru LT-916-62, System 3200 Control, Ops 120A thru F – Grind Pins 1 thru 6
- **MARPOSS M110 MODULAR GAGE**, E9096 Control, Op 125 – Stroke & Index Pin Geometry Gage
- **(2) ABB IRB 4400 ROBOTS**, Op 130A & B – Chamfer & Brush Out Oil Holes
- **SCHENCK TURNER BALANCING TRANSFER LINE**, CAB 750 Control, Op 140 – Balance Crank & Gauge
- **IMPSCO 1640 XT LAPPING MACHINE**, Op 150 – Polish mains, pins, flange, post
- **MARPOSS M110 MODULAR FINAL INSPECTION**, Op 165 – Gages Pins
- **INGERSOLL RAND CRANKSHAFT WASH**, Op 170 – Wash Crankshaft
- **SUPFINO/MACSO MICRO FLEX LAPPER**, S/N 490.38
- **LINCOLN RL84TPR-820A RADIAL DRILL**, S/N 18075; **SHARP 1340 ENGINE LATHE**, S/N 23519; **ADCOLE 1200 DH INSPECTION MACHINE**



KREUGER END WORK TRANSFER LINE (OP 90)



(1 OF 2) INGERSOLL CM SYSTEMS ROTARY BROACH (OP 40)



(1 OF 2) HELLER RFK 200/800/2 CRANKSHAFT MILLING MACHINES (OP 40)



(1 OF 6) LANDIS 5RE CRANK PIN GRINDER (OP 120)



(1 OF 2) LANDIS 5RE MULTI WHEEL MAIN BEARING GRINDER (OP 100)



(1 OF 2) LANDIS 3SEH POST END GRINDER (OP 110)



(1 OF 2) ABB ROBOTIC CHAMFER CELLS (OP 130)



SCHENCK TURNER CRANKSHAFT BALANCING LINE (OP 140)



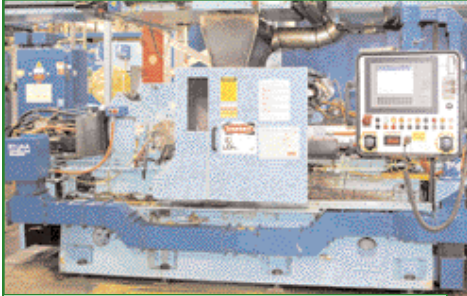
INGERSOLL RAND WASHING MACHINE (OP 170)





# 2.7L CAMSHAFT LINE

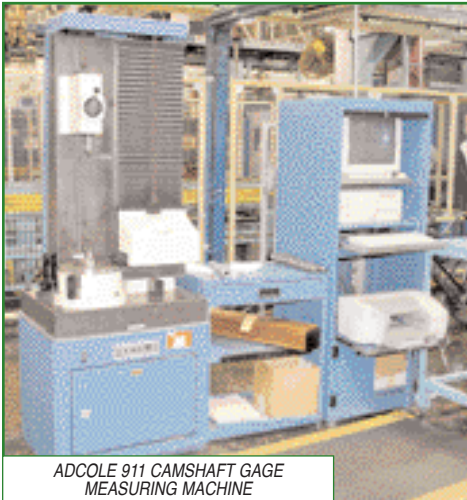
- (6) **LANDIS 500SE CENTERLESS GRINDERS (ALL 1996)** System 3200 Control, S/Ns LT-932-05 thru 07, Ops 20LH/A thru C, S/Ns LT-932-02 thru 04, Ops 20RH/A thru C – Grind Main Bearings
- (3) **MARPOSS INSPECTION STANDS**, E9066 Gauge Control, Ops 25LH/A thru C – Inspect Camshaft
- (12) **LANDIS 3L LOBE GRINDERS (ALL 1996)** Capacity 250mm x 680mm, System 3200 Control, S/Ns LT-933-09 thru 16, Ops 30LH/A thru F, S/Ns LT-933-03 thru 08, Ops 30RH/A thru F – Grind Cam Lobes
- (2) **MARPOSS M110 LOBE PROFILE GAGES**, E9066 Gauge Control, Ops 35LH/A & B – Inspect Camshaft
- (3) **MARPOSS MAIN JOURNAL GAGES**, E9066 Gauge Control, Ops 25RH/A thru C – Inspect Camshaft
- **MARPOSS M110 PROFILE, E9066 GAGE CONTROL**, Op 35RH/B – Inspect Camshaft
- **INSPECTION MACHINE**
- (2) **IMPCO 1540 XT WORLD STAR LAPPING MACHINES (1997)**, Ops 40LH & 40RH – Lap Camshaft
- **INGERSOLL CAMSHAFT WASHER**, Op 60
- **ADCOLE 911 PROFILE INSPECTION M/C**, S/N 6SL0014, E9066 Gauge Control, Op 55 – Final Inspection Gauge



(1 OF 6) LANDIS 500SE CENTERLESS GRINDERS (OP 20)



(1 OF 6) LANDIS 500SE CENTERLESS GRINDERS (OP 20)



ADCOLE 911 CAMSHAFT GAGE MEASURING MACHINE



(1 OF 12) LANDIS 3L CBN CAM LOBE GRINDER (OP 30)



(1 OF 12) LANDIS 3L CBN CAM LOBE GRINDER (OP 30)



(1 OF 12) LANDIS 3L CBN CAM LOBE GRINDER (OP 30)



(1 OF 12) LANDIS 3L CBN CAM LOBE GRINDER (OP 30)



(1 OF 12) LANDIS 3L CBN CAM LOBE GRINDER (OP 30)



(1 OF 12) LANDIS 3L CBN CAM LOBE GRINDER (OP 30)



(1 OF 2) IMPCO 1540 XT WORLD STAR LAPPING LINES (OP 40)



INGERSOLL RAND WASHING MACHINE (OP 60)





## 4.0 LITER ENGINE LINE COMPONENTS

### COMPLETE 4.0L HEAD LINE

Lamb 6-Cylinder Assembly Machine, (2) Antares Water Pump Testing Machines; Ingersoll Rand Fastener Tightening System; Ingersoll Rand Connecting Rod Assembler; (11) Transfer Lines; Test Stands; (2) R&B 10 Station Rotary Dial Machines; (4) AVL Puma Engine Test Cells to 50 HP



### CNC VERTICAL MACHINING CENTERS

- 1 - HAAS MODEL VF-10 CNC VERTICAL MACHINING CENTER, S/N 12190, (1997), Travels: X - 120", Y - 32", Z - 30", Through Spindle Coolant, Haas CNC Control, 30-HP High Torque Spindle Motor, Table Size 28"x120", CAT-50 Spindle Taper, 20-Position Automatic Toolchanger, Probing
- 1 - HAAS 18" SERVO DRIVE 4TH AXIS INDEXING TABLE w/ Tailstock Support & 19-1/2"x25" Fixture Plate
- 1 - SMG MODEL V-40 CNC VERTICAL MACHINING CENTER, S/N 9040150, Fanuc Series O-M Control, 21"x56" Table, CAT-40 Spindle Taper, 16-Position Automatic Toolchanger, Coolant



### CNC VERTICAL MILLING MACHINES

- 1 - S.W.I. MODEL TRAK DPM CNC VERTICAL MILLING MACHINE, S/N 99-4990, TRAK A.G.E. 3 Control, 3-HP, Variable Spindle Speeds 70-4200 RPM, 10"x50" Table, Coolant
- 2 - BRIDGEPORT CNC VERTICAL MILLING MACHINES, S/N 12BR-47727, Proto TRAK SM Control, S/N BR-271767, S.W.I. TRAK A.G.E. 2 Control, Both With 2-HP, Variable Spindle Speeds 60-4200 RPM, 42" Table, Servo Drive Table & Saddle Feeds, Independent Servo Type 140 Power Knee Feed
- 1 - SHARP CNC VERTICAL MILLING MACHINE, S/N 70224661, TRAK A.G.E. 2 Control, 3-HP, Variable Spindle Speeds 60-4200 RPM, 9"x42" Table, Servo Drive Table & Saddle Feeds, BT# AAA030994



### CNC LATHE

- 1 - S.W.I. MODEL TRAK TRL 1745D 2-AXIS FLAT BED CNC LATHE, S/N 99-7520 / 34460, Proto TRAK LX-2 Control, 17" Swing x 45" Centers, Spindle Speeds 40-2200 RPM, Servo Drive Carriage & Cross Slide Feeds, Manual Tailstock, Coolant

### CNC EDM

- 1 - CHARMILLES TECHNOLOGIES MODEL ROBOFIL 310 CNC WIRE CUT EDM, S/N 3.2036, (1993), w/ Advantage Dielectric Fluid Chiller

### CNC TOOL & CUTTER GRINDERS

- 4 - STAR CNC TOOL & CUTTER GRINDERS, (3) Model ATG-6AC 6-Axis, S/Ns 46169, 3199, 31100, (1) Model UTG-600 5-Axis, S/N 1128, All With GE Fanuc Series 15-M Control



### HORIZONTAL BORING MILLS

- 1 - GIDDINGS & LEWIS 340-T TABLE TYPE HORIZONTAL BORING MILL, S/N 6514, 4" Spindle Bar Diameter, Table 48"x74", Main Spindle Speeds 7.5-450 RPM, Auxiliary Spindle Speeds 25-1500 RPM, Outboard Spindle Support, SWI TRAK Readout
- 1 - DEVLIEG MODEL 3-B JIGMIL TABLE TYPE HORIZONTAL BORING, MILLING & DRILLING MACHINE, S/N 145, 3" Spindle Bar Diameter, Table Size 30"x48", Anilam Wizard 350-Plus Readout

### MILLING MACHINES

- 4 - BRIDGEPORT 2-HP VARIABLE SPEED VERTICAL MILLING MACHINES, 60-4200 RPM, Servo Power Feed, S/Ns BR-271626, BR-262434, 48" Table, S/Ns 12BR-207431, 12BR-206689, 42" Table, Readout
- 1 - BRIDGEPORT VERTICAL MILLING MACHINE, S/N 59631, 1 HP, Table 9" x 42"
- 1 - SHARP VERTICAL MILLING MACHINE, Variable Speeds 60-4500, Power Feed Table 9" x 42", 2-Axis DRO
- 1 - TREE MODEL 2UVR VERTICAL MILLING MACHINE, Step Pulley Spindle Speeds 60-3300 RPM, 10"x42" Table, Power Feed, 2-Axis Readout,
- 2 - K&T MILWAUKEE ROTARY HEAD MILLING MACHINES, (15) Step Pulley Spindle Speeds 250-6000 RPM, 16"x30" Table, Power Feeds, Coolant
- 1 - CINCINNATI 3MI PLAIN HORIZONTAL / VERTICAL MILLING MACHINE, S/N 2J3P1W-26, Table Size 14"x62", Dial Type Horizontal Spindle Speeds 25-1500 RPM, Overarm Mounted AC Motor Driven Universal Vertical Milling Head, 9) Geared Vertical Spindle Speeds 125-1250 RPM
- 1 - K&T MILWAUKEE 2K UNIVERSAL HORIZONTAL MILLING MACHINE, Table 12"x56", Speeds 15-1500 RPM



## DRILLS

- 1 – SHARP MODEL RD-1600 17" COLUMN X 6' ARM RADIAL DRILL, S/N 13798, 40-1920 RPM, Plain Box Table
- 1 – FOSDICK 24" SLIDING HEAD DRILL PRESS, Speeds 110-900 RPM
- 5 – WILTON, DAYTON, CLAUSING, ARBOGAN & CINCINNATI BICKFORD 20" DRILL PRESSES
- 1 – MORRIS 10" X 3' RADIAL DRILL

## ENGINE LATHES

- 2 – LEBLOND 25"X150" ENGINE LATHES, Quick Change Threading, Taper Attachment, 2-3/8" & 2-1/8" Hole Thru Spindle, Steady Rest, Follow Rest, 3-Jaw & 4-Jaw Chucks
- 1 – LEBLOND 1610 TOOL ROOM 17"X72" ENGINE LATHE, 16-2000 RPM, Quick Change Threading, Taper Attachment, 1-3/4" Hole Thru Spindle, Steady Rest, Follow Rest, 12" 3-Jaw Chuck
- 4 – LEBLOND REGAL 19"X76", 19"X54" & 15"X32" ENGINE LATHES
- 5 – HARDINGE MODEL HLV-H DOVETAIL BED TOOLROOM LATHES, 125-3000 RPM, Variable Power Carriage Feed
- 4 – SHARP 13" X 40", HARRISON 13"X32" (2002), ENCO 12" X 36" (1995) & MONARCH 18.5" X 30" ENGINE LATHES

## JIG BORER

- 1 – PRATT & WHITNEY 3B JIG BORER, S/N 494, M-1695, Table Size 24"x55-1/2", 12) Spindle Speeds 37-1800 RPM, Heidenhain 2-Axis Readout

## JIG GRINDER

- 1 – SIP / HAUSER S50-DR BRIDGE TYPE JIG GRINDER, S/N 0104, Table Size 28-1/4"x40"



## BANDSAWS

- 3 – MARVEL SERIES 8 MARK II UNIVERSAL TILT FRAME VERTICAL BANDSAWS, 28" & 20" Height
- 4 – DOALL V-26 26", 2013-V 20" (2000), METALMASTER 16" & 16" VERTICAL BANDSAWS
- 1 – DAKE JOHNSON VH-24 24" VERTICAL BANDSAW, 0-700 m/min, Hydraulic Power Table Feed, Blade Welder/Grinder
- 1 – GROB NS24 24" VERTICAL BANDSAW
- 1 – DOALL AUTOMATIC HORIZONTAL METAL CUTTING BANDSAW, 12" Capacity

## SAWS

- 1 – ARMSTRONG BLUM MARVEL NO. 18 HYDRAULIC UNIVERSAL ROLL-STROKE POWER HACKSAW
- 2 – EVERETT ABRASIVE CUT-OFF SAWS, Blade Size 20"-22", 20-HP & 10-HP, Pneumatic Clamping



## SURFACE GRINDERS

- 1 – MATTISON 42"X120" HYDRAULIC SURFACE GRINDER, Universal Auxiliary Spindle
- 1 – OKAMOTO ACC-16.32DX 16"X32" AUTOMATIC HYDRAULIC SURFACE GRINDER
- 1 – DOALL 10"X30" HYDRAULIC SURFACE GRINDER
- 1 – THOMPSON MODEL 2F 8"X24" HYDRAULIC SURFACE GRINDER, Sony 2-Axis Readout
- 2 – ABRASIVE & BROWN & SHARPE 8" X 24" HAND FEED SURFACE GRINDERS
- 3 – HARIG 6"X18" & 6"X12" HAND FEED SURFACE GRINDERS
- 2 – SHARP MODEL SG618 6"X18" HAND FEED SURFACE GRINDERS

## ROTARY SURFACE GRINDERS

- 1 – BLANCHARD 22A-42 VERTICAL SPINDLE ROTARY SURFACE GRINDER, S/N 15954, 42" Diameter Electromagnetic Chuck, 22" Segmented Grinding Wheel, 50-HP Wheelhead, Coolant Base
- 1 – ARTER A3-16 HORIZONTAL SPINDLE ROTARY SURFACE GRINDER, S/N 1192, 17" Diameter Electromagnetic Chuck, 16" Diameter Wheel, External Coolant System
- 8 – BLANCHARD 18A2 TWIN SPINDLE AUTOMATIC VERTICAL ROTARY SURFACE GRINDERS, S/N 11057, All With Two x 30 HP Vertical Spindle Motors, Table Diameter 42" Approx

## CRANKPIN GRINDERS

- 1 – NORTON CRANKPIN GRINDER, Modicon Panelmate Plus Terminal
- 1 – LANDIS 5RE 1W CRANKPIN GRINDER, 16" Swing x 36" Centers
- 9 – LANDIS 5R CRANKPIN GRINDERS (To 1990), 16" Swing x 32" Centers

## ID/OD & OD GRINDERS

- 2 – JONES & SHIPMAN 1300X1000 10"X40" & 3200X 10"X24" UNIVERSAL ID/OD GRINDERS, Both With Motorized Workhead Speeds 30-450 RPM, 3) OD Wheelhead Spindle Speeds 1773/2069/2400 RPM, 3) ID Spindle Speeds 10500/16500/24000 RPM, Coolant
- 1 – LANDIS TYPE 2R 10"X24" UNIVERSAL HYDRAULIC OD CYLINDRICAL GRINDER, AcuRite Readout, Coolant

## TOOL & CUTTER GRINDERS

- 1 – DENVER ASTRO II UNIVERSAL TOOL & CUTTER GRINDER, Universal Workpiece Fixture w/ Baldor Vari-Speed Drive, Heidenhain 2-Axis Readout
- 6 – CINCINNATI NO. 2 UNIVERSAL TOOL & CUTTER GRINDERS



# FABRICATING MACHINERY • HEAT TREAT • WELDING



## CNC SHEET METAL PUNCH

1 - WHITNEY MODEL 1524 CNC SINGLE STATION PUNCH, Esterline Whitney Series 1000 Programmable Control, Servo Drive Positioning, 41"x74" Table

## IRONWORKER

1 - PIRANHA P70 HYDRAULIC IRONWORKER, S/N 1101, Punch Capacity: 70 Tons, 1-3/16" Dia. Thru 3/4", Shearing Capacity: Flats - 1"x6", 3/4"x12", 1/2"x18", Angles - 5"x5"x1/2", Rounds - 2", Squares - 1-3/8", Coper / Notcher: 3-1/2"x5"x3/8"

## POWER SHEARS

1 - NIAGARA 1L-12 3/16"X12' MECHANICAL POWER SQUARING SHEAR

1 - D&K CHICAGO HN10 10"X10" HYDRAULIC CORNER SHEAR

## BENDING BRAKES

4 - 10', 8', 4' & 3' MANUAL BENDING BRAKES

1 - D&K CHICAGO BPU-612-6 6' FINGER TYPE MANUAL BENDING BRAKE



## SLIP FORMING ROLLS

1 - TENNSMITH MODEL SR48P 48" INITIAL TYPE POWER SLIP FORMING ROLLS, 16 Ga.

1 - BERTSCH 42" INITIAL TYPE POWER SLIP FORMING ROLLS

## SHEET METAL FORMING MACHINES

1 - PULLMAX MODEL P5/2 UNIVERSAL SHEARING & FORMING MACHINE, 40" Throat

1 - PEXTO 3617 18 GAUGE SHEET METAL BEAD ROLLER

## WOOD WORKING EQUIPMENT

1 - DELTA RT40 TABLE SAW, 12" Blade Diameter

1 - TANNEWITZ GHE 36" C-FRAME WOOD CUTTING VERTICAL BANDSAW

1 - ROCKWELL DELTA 12" RADIAL ARM SAW

1 - DELTA MODEL 22-470 24" PLANER

1 - WILTON 6" BELT / 12" DISC COMBINATION SANDER



## MISC. TOOL ROOM MACHINES

Jones 12" Slotter; Electro-Arc Disintegrator; Barber Colman Gear Hobber; Rockford 24" Plain Hydraulic Shaper; Sunnen MBB-1660 Precision Hone & Supply Cabinet Accessories; Landis Threading; Parker Parflange Hydraulic Hose Fitting Crimping Press; (3) Arbor Presses

## HYDRAULIC & PNEUMATIC PRESSES

2 - HANNIFIN 16-TON & DENISON R065MC 6-TON C-FRAME HYDRAULIC PRESSES

1 - 3-TON PNEUMATIC GAP FRAME PRESS

1 - DAKE H-FRAME HYDRAULIC INDUSTRIAL TIRE PRESS

2 - OTC 55-TON & KR WILSON 75-TON H-FRAME HYDRAULIC SHOP PRESSES

## HEAT TREAT

1 - LINDBERG MODEL TREET-ALL ELECTRIC HEAT TREAT FURNACE, S/N 999213, (2000), 15-KW, 3-Phase, Maximum Temperature 2100 Degrees F, Yokogawa Microprocessor Digital Control, Inside Dimensions 18"Wx26"Dx18"H

1 - LINDBERG MODEL TEMPERITE ELECTRIC TEMPERING FURNACE, S/N 999214, (2000), 10-KW, 1-Phase, Maximum Temperature 1400 Degrees F, Yokogawa Microprocessor Digital Control, Inside Dimensions 19"Wx25"Dx22"H



## WELDING

5 - MILLER 280 NT TRAILBLAZER CC/CV - AC/DC PROFESSIONAL SERIES & LEGEND CC-AC/DC WELDER/GENERATORS

4 - MILLER DIMENSION 302 CC/DV-DC, DELTAWELD 452 & 302 CV-DC & SYNCROWAVE 351 CC-AC/DC WELDING POWER SUPPLIES

1 - MILLER CP-300TS CONSTANT POTENTIAL DC WELDING POWER SUPPLY

5 - LINCOLN CV-655 & (4) IDEALARC R3R-400 DC WELDERS

1 - MILLER 250 AMP WIRE WELDER

1 - PHOENIX DRY ROD ELECTRODE STABILIZING OVEN

## FACILITIES SUPPORT EQUIPMENT

1 - SQUARE D CONTINUOUS RATING 3,000 KVA CLASS OA/FFA TRANSFORMER (1999)

1 - GENERAL ELECTRIC TYPE FKA-38-2200-5 OIL BLAST CIRCUIT BREAKER

PARTS CRIBS INCLUDING: Indramat Drives & Controls, Couplings, Cylinders

Quantity of Allen Bradley Motor Control Centers

## DUST & MIST COLLECTORS

Quantity Donaldson-Torit DLMC 2/2/15 & TD162 Dust Collectors

Quantity Torit DF3-48 & DF-60 Dust Collectors

Quantity UAS Model Porta-Clean Smog Hogs (1999)

Quantity Donaldson-Torit DryFlo DMC-C Mist Collector

Quantity Helical Dynamics Heli-Flo Oil Mist Collection Systems

Quantity American Environmental Oil Mist Collector



## WASHERS

- 1 – CENTRI-SPRAY DUNNAGE WASHER, Monorail Type, Length 35' Approx
- 2 – INGERSOLL RAND CLEANING & FINISHING SYSTEM DUNNAGE WASHERS, Monorail Type

## STORAGE & RETRIEVAL SYSTEMS

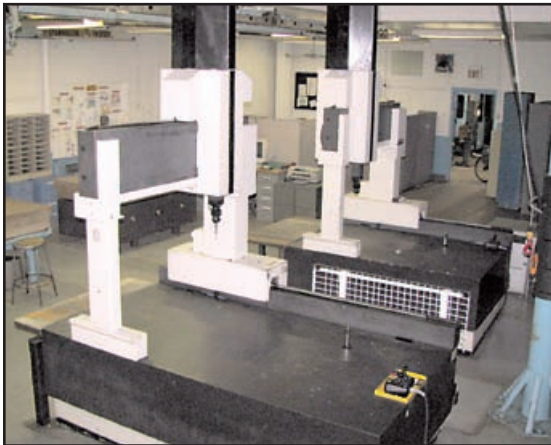
- 3 – REMSTAR SHUTTLE-250-1850X863NT VERTICAL STORAGE & RETRIEVAL SYSTEMS (All 2001), Total Load Capacity 20,000 KG, Carrier Tray Size 73"x34"x2", Programmable Keypad
- 1 – KARDEX INDUSTRIEVER 12000T VERTICAL STORAGE & RETRIEVAL SYSTEM, 60 Carrier Trays, Carrier Tray Size 48"x30"x3", Dual Lane Wide, 2) Programmable Keypads

## STANDBY GENERATOR

- 1 – KOHLER MODEL 40R0ZJ STANDBY AC POWER DIESEL GENERATOR
- 1 – TRANE SELF CONTAINED LIQUID CHILLER

## COMPRESSED AIR EQUIPMENT

- 18 – INGERSOLL RAND MODELS (16) SSR-EP450-2S (TO 2000) & (2) SSR-EPE 450-2S 450-HP ROTARY SCREW AIR COMPRESSORS, All 2245 CFM, Sound Enclosure Panels, Intellysis Microprocessor Control, Square D Starter Panel
- 7 – INGERSOLL RAND TM5000A-SP THERMAL MASS REFRIGERATED COMPRESSED AIR DRYERS, Max. Inlet Air Temperature 130 Degrees F, 30-HP Compressor, Refrigerant Design Pressure 150 PSIG, R-22 Refrigerant, Microprocessor System Operation Monitor, (Loc Buildings 53, 65 & 69)
- 1 – INGERSOLL RAND F500WSP REFRIGERATED AIR DRYER (1991)
- 1 – INGERSOLL RAND AIR FILTER ELEMENT



## COOLANT FILTRATION SYSTEMS

Quantity of Filtra Systems Coolant Filtration Systems, Job 10230, Filter Media Width 51", Fill Volume: 3,000 Gallon Filter Tank / 2,000 Gallon Clean Tank / 1,000 Gallon Drag Tank; Motors & Pumps, Modicon Panelmate Plus Terminal  
Filter Gallery with Chip Retrieval Systems – Capacity from 400 Gallons to 75,000 Gallons

## CMMs

- 1 – BROWN & SHARPE CHAMELEON 9-15-9 BRIDGE TYPE COORDINATE MEASURING MACHINE, S/N 0697-2436, Measuring Range 35"-X, 59"-Y, 35"-Z, 51"x86" Granite Table, Renishaw Renscan SP600M Probe, Joystick Pendant
- 2 – LK / CINCINNATI MILACRON MODEL G80 BRIDGE TYPE COORDINATE MEASURING MACHINES, Approx Measuring Range: (10.9.7) X – 35.6", Y – 39.6", Z – 28"; Renishaw Model PH10M Probe, Deskey DK2 Serial Portkey, Renishaw PHC10-2 Probe Controller; Pendant

Quantity of Renishaw Model MP8 CMM Probes

## QUALITY CONTROL / INSPECTION

- 1 – PRATT & WHITNEY U306270 LAB MASTER UNIVERSAL LASER MEASURING SYSTEM (1999)
- 1 – TALYROND / TAYLOR HOBSON PNEUMO 3T INSPECTION MACHINE
- 1 – MAGNAFLUX AD-945 MAGNETIC PARTICLE INSPECTION MACHINE
- 2 – NEW AGE & WILSON/ROCKWELL HARDNESS TESTERS
- 1 – BROWN & SHARPE SERIES 900 38" MICRO-HITE INDICATOR
- 2 – MITUTOYO 24" & 13" HEIGHT MASTER GAUGES
- 1 – STURTEVANT RICHMOND DIGITAL TORQUE TESTER

Huge Assortment Inspection: Olympus Borescopes, Mitutoyo Profileometer, New Age Brinell Optical Scanning Systems, Mitutoyo Ceramic Gage Block Sets, Starrett Levels, Starrett Digi Checkers, Micrometers, Calipers, Torque Wrenches, Gauges, Height Indicators, Granite Plates, Renishaw MP8 Toolholder, Probes

## TOOL PRESETTERS

- 1 – HAIMER POWER-CLAMP INDUCTION HEAT SHRINK PRE-SET MACHINE
- 3 – ROYAL VARI-SET & SPERONI ESPERIA 44SP COMPUTER CONTROLLED TOOL PRESETTERS

## OPTICAL COMPARATORS

- 1 – S-T INDUSTRIES 14" OPTICAL COMPARATOR, Quadra-Check 200 Programmable Readout
- 6 – JONES & LAMSON CLASSIC 14T 14" OPTICAL COMPARATORS, Quadra-Chek 2000 Programmable Readout



# MATERIAL HANDLING AND PLANT SUPPORT EQUIPMENT

## PERSONNEL & BURDEN CARRIERS

- 8 – TAYLOR DUNN 5000 LB, 3000 LB, 2400 LB & 1150 LB. ELECTRIC BURDEN CARRIERS
- 3 – EZ-GO ELECTRIC BURDEN CARRIERS To 3,000 Lb. Capacity
- 2 – NORDSKOG 280A 1000 LB. ELECTRIC BURDEN CARRIERS
- 1 – MOTREC MODEL E300 1,200 LB. CAPACITY PERSONNEL CARRIER, S/N 0607121, 36 Volt, #9310
- 19 – ELECTRIC PERSONNEL CARRIERS: (3) EZ-GO 4-Wheel; (16) US Electricar, Motrec & Taylor Dunn 3-Wheel
- 7 – TAYLOR DUNN SC1-59 1000 LB. 3-WHEEL ELECTRIC STOCK CHASER CARTS
- 31 – KALMAR, BT PRIME MOVER, YALE, MOTO-TRUC, CLARK & RAYMOND 2000 TO 8000 LB ELECTRIC WALK BEHIND STACKERS
- 5 – YALE 4000 & 6000 LB. CAPACITY ELECTRIC MOTORIZED HAND/PALLET TRUCKS
- 3 – VESTIL 5000 LB. ELECTRIC PALLET MASTER/PALLET SERVERS  
Quantity of GNB Battery Chargers, Boom Extensions



## VEHICLE SERVICE LIFT

- 1 – AUTOQUIP EXCALIBUR CFL-200 20,000 LB. CAPACITY FORK TRUCK SERVICE LIFT

## BATTERY STORAGE & WASH SYSTEM

- 1 – FLOLO CORP BATTERY STORAGE RACK SYSTEM, Capacity 96 Batteries
- 2 – SACKETT SYSTEMS MODEL HHA-36-2 QS HYDRA HANDLER BATTERY RETRIEVAL/STORAGE UNITS
- 1 – SACKETT SYSTEMS BATTERY WASHER

## FLOOR SCRUBBERS

- 3 – TENNANT 810 CNG RIDER SWEEPERS, Cab Enclosure
- 3 – TENNANT 7400, 550 & 527 CNG RIDER SCRUBBERS
- 8 – TENNANT 5700 XP & 5700 BATTERY POWERED WALK BEHIND SCRUBBERS
- 1 – CLARKE VISION 17 BT FLOOR SCRUBBER

## WINCH TRACTOR

- 1 – CASE 850B CRAWLER TYPE WINCH TRACTOR, S/N 7078912, 16" Rubber Pad Crawler Tracks

## LOADERS

- 1 – CASE W14 RUBBER TIRED LOADER, 16.9-24 Foam Filled Tires, 2.5 Cu. Yd. Bucket (1994), Enclosed Cab
- 1 – CASE 1840 DIESEL SKID STEER LOADER, Enclosed Cab w/ Heat
- 4 – ATTACHMENTS FOR CASE 1840 SKID STEER LOADER: Hanson 5' Snowblower Attachment, Case Backhoe Attachment, 72" & 60" General Purpose Buckets
- 1 – CASE 1825B DIESEL SKID STEER UNLOADER

## TRUCKS / TRAILERS

- 2 – DODGE RAM 2500 4X4 PICK UP TRUCKS
- 1 – U.S. CARGO TANDEM AXLE ENCLOSED UTILITY TRAILER, Aluminum Sides, 7000 Lb. GVWR
- 3 – WABASH NATIONAL BOX TRAILERS, GVWR 68,000 Lbs

## CRANES & HOISTS

- 2 – HARNISCHFEGER/P&H 10-TON & P&H 5-TON TOP RIDING DOUBLE GIRDER BRIDGE CRANES
- 1 – MT. CLEMENS 3-TON CAPACITY SINGLE GIRDER BRIDGE CRANE
- 6 – 2-TON CAPACITY 360-DEGREE FLOOR STANDING JIB CRANES  
Quantity Overhead Hoists & Bridge Cranes

## TRASH COMPACTORS

- 1 – MCCLAIN ROLL-OFF STYLE HYDRAULIC TRASH COMPACTOR, Hydraulic Side Loader Box Dumper  
Additional Hydraulic Trash Compactor Units

## PLANT SUPPORT, OFFICE & MEDICAL EQUIPMENT

Quantity of Ridgid Power Pipe Threaders & Dies, Quantity of Modular Offices To Approx 12' x 25' x 8' 9"H; Storage Chests; Proto & Lyon Tool Chests; 2500 Gallon Mobile Tank; Coolant Centrifuge; Pressure Washers; Flammable Storage Cabinets; Electric Scale; Muller Cement Mixer; Self Dumping Hoppers to 5 yard; Pneumatic Impact Wrenches; Hand Tools; Clamps; Punch Sets; Drills; 40 Taper & 50 Taper Tool Holders; Plastic Pallets; Creform Material; Scissor Lift Tables; Bicycles; Rolling Stair Cases; Office Workstations, Conference Tables, Chairs, Desks, Copiers, Printers, Computers; Medical: Audio & Optical Testing, Stainless Racks



## MOBILE MAINTENANCE / MATERIAL HANDLING EQUIPMENT

- 1 – BRODERSON MODEL IC-80-3F MOBILE CRANE, S/N 365778, CNG Fuel, Main Boom Extension 30' Max, Carry Deck Capacity 14,000 Lbs, Hours 2035
- 3 – GENIE Z-45/22, Z-30/20 & Z-34-22N ELECTRIC ARTICULATING BOOM LIFTS (TO 1998)
- 4 – MEC MODELS (2) 2548HT, 1632 & MISC. ELECTRIC SCISSORS LIFT AERIAL WORK PLATFORMS
- 1 – MOTREC E360 CONFINED SPACE VEHICLE RESCUE UNIT; 3,000 Lb. Capacity Burden Carrier, Electric Type, 36 Volt Battery, Sala Boom Crane, Self Contained Breathing Equipment

## FORKLIFTS – CNG FUEL & ELECTRIC

- 1 – CLARK MODEL CY200 20,000 LB. LPG FORKLIFT, S/N Y1625-67-2258-478, LPG Type, Lift 87" Max, Forks 96"
- 2 – CLARK MODELS C5-Y100 (SOLID CUSHION TIRES) & C500-Y100 10,000 LB. CNG FORKLIFTS, Lift 161" Max
- 4 – CLARK MODEL C500-Y80 8000 LB. CNG FORKLIFTS, Lift 170" Max
- 2 – CLARK MODELS (2) C500-S60 6000 LB. (1) W/SOLID CUSHION TIRES & C500Y S60 6000 LB. CNG FORKLIFTS
- 1 – TOWMOTOR MODEL GC30S-2 6000 LB. CNG FORKLIFT
- 7 – CLARK MODEL C500-Y50 5000 LB. CNG FORKLIFT, (1) w/ Solid Cushion Tires
- 3 – CLARK MODELS GPS30MB 5000 LB. & (2) GPS25MB 4000 LB. CNG FORKLIFTS
- 1 – TOYOTA MODEL 40-2FG7 4000 LB. CNG FORKLIFT
- 3 – YALE MODEL ERC060RGN36TE084 6,000 LB. ELECTRIC FORKLIFTS
- 2 – CLARK TW25 2500 LB. ELECTRIC & CNG FORKLIFTS
- 5 – TRACTOR/TUGGERS, CNG FUEL, (4) W/ MILLER LEGEND CC-AC/DC WELDER/POWER GENERATORS
- 7 – TAYLOR DUNN MODEL E4-55 10,000 LB. CAPACITY ELECTRIC TOW TRACTORS



# Hilco Industrial, LLC

Auctioneers • Liquidators • Appraisers

## Headquarters

31555 W. Fourteen Mile Road, Suite 207  
Farmington Hills, MI 48334  
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# HILCO WEBCAST/ONSITE AUCTION



## REAL ESTATE AVAILABLE BY PRIVATE SALE

<b>ADDRESS</b> 5555 30th Avenue • Kenosha, WI 53144	<b>EXTERNAL AREAS</b> <b>Logistics Yard:</b> 3 areas totaling 5.4 acres 170 truck positions <b>Employee Parking:</b> 16.58 acres 1,731 spaces <b>Green Area:</b> 12.54 acres	<b>ROOF</b> Combination of Wood/Built Up and Metal Deck Many areas installed from 1990-2002
<b>BUILDING SPECIFICATIONS</b> <b>50 Buildings:</b> Office – 590,000+ Sq. Ft., Manufacturing Related – 1,300,000+ Sq. Ft.	<b>CONSTRUCTION</b> Combination of precast concrete, brick, glass, & metal siding	<b>POWER</b> The plant is fed power from We Energies Albers Substation located about 1 mile north of the facility. Power is distributed at 25,000 volts to each of the 13 substations on site.
<b>SITE AREA</b> 109+ Acres	<b>ZONING</b> Industrial	<b>YEARS BUILT</b> From 1917 to 2003
<b>CEILING HEIGHT</b> Ranges from 12.5' to 44'		

### Terms of Sale

A buyer's premium of 13.5% for all onsite sales & 16% for all webcast sales is in effect. Everything will be sold to the highest bidder for cash, in accordance with the Auctioneer's customary "Terms of Sale", copies of which will be posted on the premises of the sale and subject to additional terms announced the day of sale. All items will be sold "AS IS, WHERE IS" basis, and Old Carco Liquidation Trust under no circumstances shall be deemed to have made, and hereby disclaims, any representation or warranty, either express or implied, as to any matter whatsoever, including, without limitation, the condition of any item and the adequacy, suitability or fitness for any particular purpose of any item or any portion thereof. Although obtained from sources deemed reliable, the Auctioneer makes no warranty or guarantee to the accuracy of the information herein contained. Bidders are encouraged to thoroughly inspect the items on which they intend to bid prior to sale. Absolutely no items will be removed until the day after the conclusion of the sale and payment is made in full. Subject to additions, deletions and prior sale.

**Payment:** ALL PURCHASES MUST BE PAID IN FULL ON THE DAY OF THE AUCTION. If you intend to pay by wire transfer, we will accept payment the day after the sale ONLY IF a deposit of 25% of total purchases is made on the day of the sale. Contact our office for wire transfer instructions. Only cash, wire transfer or certified check, payable to Hilco Industrial, LLC will be accepted. Company checks payable to Hilco Industrial, LLC will be accepted only if accompanied by a bank letter of guarantee, (see sample letter below). All sales are subject to sales tax. Purchasers claiming exemptions from taxes must provide proof satisfactory to the Auctioneer of their entitlement to claim such exemptions.

### Sample Bank Letter

(Bank Name) unconditionally guarantees payment to Hilco Industrial, LLC from (Company Name). This guarantee will be valid for purchases made at the Auction of OldCarco-KEP on July 19 - 21, 2011.

For More Information, Please Contact the USA Office of:



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