



# STAY CURRENT

ISO 9001 CERTIFIED

AUGUST 2015

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## TRADESHOWS & EVENTS

### **2015 VIPAR HEAVY DUTY ANNUAL CONFERENCE**

**OCTOBER 19-23, 2015 - San Antonio, TX**

### **2015 EXPO TRANSPORTE ANPACT**

**NOVEMBER 18-20, 2015 - Guadalajara, Mexico**

### **2016 HEAVY DUTY AFTERMARKET WEEK**

**JANUARY 25-29, 2016 - Las Vegas, NV**



## PISTON CROWN MACHINING CELL WITH ROBOTIC LOADER

**PAI Manufacturing** has recently completed installation of a machining cell for piston crowns. The cell consists of two vertical turning lathes that are linked together by a robotic loading system.

The robot system monitors both of the lathes and automatically unloads and loads the machines as machining is complete. Blanks are loaded once a shift onto a motor driven conveyor system that supplies the robot.

The robot takes care of all handling inside the cell from installing locating fixtures to actual loading the machines specially designed chucks.

The robot allows for both machines to be loaded with precision and speed. This significantly increases machine capacity since there is no down time of a machine waiting on an operator and both lathes are kept running simultaneously.





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## FEATURED ITEMS OF THE MONTH



**NOW AVAILABLE IN BULK PACKAGES OF 10  
PLEASE CALL YOUR SALESMAN FOR ADDITIONAL INFORMATION**

OEM REFERENCE	PAI REFERENCE	DESCRIPTION	TRANSMISSION APPLICATION
FUL 16118	<a href="#">EF26060-010</a>	Sliding Clutch	Fuller 11609 / 14613 / 14813 / 16618 / 12510 / 12515 / 12513 Series
FUL 21930	<a href="#">EF26360-010</a>	Sliding Clutch	Fuller 14613 / 14813 / 16618 Series
FUL 4300924	<a href="#">EF25530-010</a>	Sliding Clutch	Fuller 14210 / 15210 / 16210 / 18210 Series
FUL 4300907	<a href="#">EF26350-010</a>	Sliding Clutch	Fuller 14713 / 16713 Series
FUL 4301403	<a href="#">900097-010</a>	Main Drive Pinion	Fuller 5306 Midrange / 5406 / 6306 Midrange / 6406 Series
FUL 4303386	<a href="#">EF25410-010</a>	Sliding Clutch	Fuller 14718 / 18918 Series
FUL 4304317	<a href="#">EF26370-010</a>	Sliding Clutch	Fuller 11609 / 14613 / 14813 Series
FUL 4304014	<a href="#">900125-010</a>	Sliding Clutch	Fuller 12210 / 14210 / 15210 / 16210 / 18210 Series
FUL 4302265	<a href="#">900127-010</a>	Sliding Clutch	Fuller 14210 / 15210 / 16210 / 18210 Series
FUL S-1659	<a href="#">EF67490-010</a>	Main Drive Pinion	Fuller 11609 / 14613 / 14813 / 16618 / 12510 / 12515 Series
FUL S-2822	<a href="#">900090-010</a>	Main Drive Pinion	Fuller 12210 / 14210 / 15210 / 16210 / 18210 Series



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## PRICE REDUCED

Click Part# for more details

PAI REFERENCE	OEM REFERENCE	DESCRIPTION
<a href="#">ESC-0378</a>	MAK 421GC266M4	Screw
<a href="#">FAS-0608</a>	GDY 1R13-117	Air Spring
<a href="#">RAC-0979</a>	MAK 210RD418	Condenser
<a href="#">EIC-1746</a>	MAK 3MD538A	Intercooler Core
<a href="#">ECL-1855</a>	MAK 11ME321	Clamp
<a href="#">EGR-3812</a>	MAK 7536-181999	Cartridge
<a href="#">MCB-4527</a>	MAK 11MR38M7	Breaker
<a href="#">FHL- 5248</a>	MAK 2M0525AM	Headlamp Assembly
<a href="#">FHL- 5249</a>	MAK 2M0526AM	Headlamp Assembly
<a href="#">BSH-6759</a>	MAK 68KH3225P2	Axle
<a href="#">BOS-6981</a>	MAK 88AX432	Seal
<a href="#">EPH-8578</a>	MAK 771GB4106M	Housing
<a href="#">EHD-8585</a>	MAK 404GB471	Damper
<a href="#">EHD-8586</a>	MAK 404GB472	Damper
<a href="#">BRP-9414</a>	EAT 96837	Gear Set
<a href="#">CCA-9719</a>	DAN 108935-77A	Clutch Assembly
<a href="#">EM25420</a>	MAK 320KB459	Clutch
<a href="#">EF63320</a>	FUL 16003	Gear
<a href="#">ER77890</a>	ROK A-40180-1	Gear Set
<a href="#">EE93640</a>	EAT 122335	Gear Set
<a href="#">EE94500</a>	EAT 110810	Gear
<a href="#">050659</a>	CUM 4928594	EGR Sensor Kit
<a href="#">060051</a>	CUM 3071615	Flywheel Assembly
<a href="#">111548</a>	N/A	Piston Kit
<a href="#">141292</a>	CUM AR10172	Lube Pump
<a href="#">192123</a>	CUM 3412352	Injector Tube
<a href="#">360510</a>	CAT 2569653	Flywheel
<a href="#">380331</a>	CAT 9Y1081	Fuel Tube
<a href="#">380332</a>	CAT 9Y1082	Fuel Tube
<a href="#">380333</a>	CAT 9Y1083	Fuel Tube
<a href="#">380334</a>	CAT 9Y1084	Fuel Tube

PAI REFERENCE	OEM REFERENCE	DESCRIPTION
<a href="#">380335</a>	CAT 9Y1085	Fuel Tube
<a href="#">380336</a>	CAT 9Y1086	Fuel Tube
<a href="#">405038</a>	NAV 1876099C91	Ring Set
<a href="#">480004</a>	NAV 1885883C1	Crankshaft Gear
<a href="#">642070</a>	DDC 23505720	Drain Plug
<a href="#">661613</a>	DDC 23535511	Liner
<a href="#">806955</a>	ROK A-1228-Z-572	Bearing Set
<a href="#">806961</a>	MAK 46AX519	Bearing
<a href="#">808107</a>	MAK 561KC27	Wear Ring
<a href="#">803915</a>	MAK 55MX137	Hood Roller
<a href="#">803964-014</a>	MAK 572AMM2M	Seal Filelr
<a href="#">900203</a>	FUL 19063	Shift Block
<a href="#">900398</a>	FUL A-5474	Yoke Assembly
<a href="#">171003</a>	CUM 3801263-100	Bearing Kit
<a href="#">171723</a>	CUM 3801263	Bearing Kit
<a href="#">ISB607-051</a>	N/A	Engine Kit
<a href="#">ISB607-126</a>	N/A	Engine Kit
<a href="#">ISB607-131</a>	N/A	Engine Kit
<a href="#">ISB607-132</a>	N/A	Engine Kit
<a href="#">ISB607-276</a>	N/A	Engine Kit
<a href="#">ISB607-292</a>	N/A	Engine Kit
<a href="#">530106-001</a>	N/A	Engine Kit
<a href="#">MP8101-001</a>	N/A	Engine Kit
<a href="#">MP8102-001</a>	N/A	Engine Kit



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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CUM 2872279	<a href="#">050696</a>	Position Sensor Kit Includes Sensor (1)050694 O-Ring (1)321288
<b>Application:</b> Cummins 6C 8.3L / ISC		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 64MT369M	<a href="#">854025</a>	Air Indicator
<b>Application:</b> Universal		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 20QE2180	<a href="#">802591</a>	Air Check Valve (1 way, male port 1 - 1/2in PT, female port 1 - 1/2in PT)
<b>Application:</b> Mack Universal		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 1MR4321M2	<a href="#">804109</a>	Light Switch(Door Lamp / Door Post)
<b>Application:</b> Mack CH / CL / CT / CTP / CL / Universal		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 691GC49M	<a href="#">841981</a>	VGT Air Valve
<b>Application:</b> Mack ASET		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
NAV 393442C1	<a href="#">451403</a>	Headlight Switch
<b>Application:</b> International 1000 / 2000 / 3000 / 4000 / 7000 / 8000 Series / Medium Duty / S Series		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
ROK R955205	<a href="#">940610</a>	Air Dryer Assembly
<b>Application:</b> Universal		



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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 29RD324AM	<a href="#">803707</a>	A/C, Heater Control Panel
<b>Application:</b> Mack CHN / CXN / CXU & GU		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 14QK421M	<a href="#">804299</a>	Shock Absorber
<b>Application:</b> Mack Universal		



803906  
Shown

OEM REFERENCE	PAI REFERENCE	DESCRIPTION	APPLICATION
MAK 9QX54AM	<a href="#">803906</a>	Door Latch(L/H)	Mack CV / GU
MAK 9QX53AM	<a href="#">803905</a>	Door Latch(R/H)	Mack CV / GU



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 20498998	<a href="#">803904</a>	Hood Latch
<b>Application:</b> Volvo VNL Generation		

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803897  
Shown

OEM REFERENCE	PAI REFERENCE	DESCRIPTION	APPLICATION
MAK 20565618	<a href="#">803897</a>	Hood Lock(L/H)	Volvo GNL
MAK 20565619	<a href="#">803898</a>	Hood Lock(R/H)	Volvo GNL

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
NAV 3539699C91	<a href="#">451369</a>	Windshield Wiper Motor

**Application:** 1995 International 2000 / 3000 / 4000 & 8000 Series





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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 2-4-533	<a href="#">960061</a>	End Yoke (Used w/ 1-1/4in Round Shaft)
<b>Application:</b> Dana 1310 Series		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 4-2-669	<a href="#">960036</a>	Flange Yoke
<b>Application:</b> Dana 1550 Series		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 6.3-53-21	<a href="#">960167</a>	Tube Shaft(46 Spline)
<b>Application:</b> Dana 1760 Series		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
FUL A-5160	<a href="#">900399</a>	Yoke Assembly
<b>Application:</b> Fuller RTOF-16915 / RTXF-14708LL / RTXF-11715 / RTXF-11708LL / RTX-14708LL / RTO-14909MLL / RTO-14709MLL / RTO-13707MLL / RTO-11715 / RTO-11707LL / RTOF-14709MLL / RT-14915		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DAN 6-4-4601-1	<a href="#">960058</a>	End Yoke(2.28in Dia. / 44 Spline)
<b>Application:</b> Dana 1710 Series		



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
MAK 98KH41	<a href="#">808097</a>	Shift Fork
<b>Application:</b> Mack CRD 150 / 151		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
CUM 3684450	<a href="#">181914</a>	Water Pump Assembly(w/o Housing)
<b>Application:</b> Cummins ISX		



**131867  
Shown**

OEM REFERENCE	PAI REFERENCE	DESCRIPTION	CUMMINS APPLICATION
CUM 4089781	<a href="#">131867</a>	Upper Gasket Kit	QSB6
CUM 4089957	<a href="#">131880</a>	Upper Gasket Kit	ISB
CUM 2881955	<a href="#">131881</a>	Upper Gasket Kit	ISB
CUM 3802242	<a href="#">131883</a>	Upper Gasket Kit	ISB4
CUM 4089369	<a href="#">131886</a>	Upper Gasket Kit (w/ Edge Molded Head Gasket)	N14 Celect
CUM 3800729	<a href="#">131891</a>	Upper Gasket Kit	K38
CUM 3800726	<a href="#">131892</a>	Upper Gasket Kit	K19
CUM 3801403	<a href="#">131893</a>	Upper Gasket Kit	1710 / V28
CUM 4024948	<a href="#">131896</a>	Upper Gasket Kit	855
CUM 2881767	<a href="#">131906</a>	Upper Gasket Kit	ISX 15

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DDC 23505899	<a href="#">691840</a>	Coolant Tube
<b>Application:</b> Detroit Diesel 60 Series		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DDC 23513683	<a href="#">642008</a>	Dipstick Guide Adapter
<b>Application:</b> Detroit Diesel 60 Series		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DDC 23505720	<a href="#">642070</a>	Magnetic Drain Plug(3/4" NPT)
<b>Application:</b> Detroit Diesel 60 Series		

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OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DDC 23523977	<a href="#">681231</a>	Accessory Drive Pulley
<b>Application:</b> Detroit Diesel Series 60		

ENGINE



OEM REFERENCE	PAI REFERENCE	DESCRIPTION
DDC R5237045	<a href="#">609905X</a>	Fuel Injector Assembly
<b>Application:</b> Detroit Diesel Series 60		