



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/BLOCK MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Dynamometer	SF902	SuperFlow	1
8 Channel Wide Band 02	WEGA III	Daytona Sensors	1
Blow-By Flow Meter	VF-563	J-TEC	1
Chassis Dynamometer	248X	DynoJet	1
Cylinder Hone	SV-10	Sunnen	1
Cylinder Hone	CK-10	Sunnen	1
(with all popular torque plates)		BHJ	25
Line Hone	CH-100	Sunnen	1
Line Bore	PLB-100	Sunnen	1
Rod Machine (Manual)	LBB-1699	Sunnen	1
Boring Bar	F2B	Rottler	1
*Surfacer	HBS-2100	Sunnen	1
Balancer	DCB-750	Sunnen	1
Vertical Mill	JTM-4VS	JET	1
Vertical Mill	XA900-1	Bridgeport	1
*Lathe		Colchester	1
Press	BP-10	Sunnen	2
Press	HP-15	JET	1
*Welder	PT 275	Lincoln Electric (TIG)	2
*Welder	Handler 135	Hobart (MIG)	1
*Welder	Millermatic 211	Miller (MIG)	1
Block-Tru		BHJ	1
Lifter-Tru (SB,BB,LS)		BHJ	1
Rod Bushing Fixture		BHJ	1
Power Ring Filer	064	ABS	1



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/BLOCK MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Rod Heater	CRH-50	Sunnen	1
Cap Grinder	LGR-750	Sunnen	2
Setting Fixture	CF-1000	Sunnen	3
Piston Jig		Vuasa	1
*Drill Press		Rockwell	1
Rod Aligner	RI	Tobin ARP	1
Rod Aligner	TN-11	Sunnen	1
Crankshaft Polisher	PCP-1070	Goodson	1
Dial Bore Gage	GR-2000	Sunnen	4
Precision Gage	AG-300	Sunnen	3
Tool Sharpener	TS-100	Sunnen	1
Magna Flux	Y-6	Magna Flux	1
Profilometer	Pocket Surf III	Mahr Federal	1
Camshaft Analyzer	Cam Doctor	Quadrant Scientific	1
Camshaft Software		Audie Technology	1
Computer Software		Engine Expert	1
Computer Software		Windyn	1
Parts Washer		Safety Kleen	
Internet Access			

\*Equipment used in Block and Cylinder Head Machining Programs



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/CYLINDER HEAD MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Flow Bench (with Flow Com, Swirl Meter, & Port Flow Analyzer v 3.0 Software)	SF1020	SuperFlow	1
Flow Bench (with Flow Com, Swirl Meter, & Port Flow Analyzer v 3.0 Software)	SF600	SuperFlow	1
*Surfacer	HBS-2100D	Sunnen	1
Seat & Guide Machine	VGS-20C	Sunnen	2
Valve Refacer	VR-6500K	Sunnen	1
Valve Refacer	VR7000	Sunnen	1
Valve Guide Honing Set	P-190	Sunnen	2
Valve Guide Honing Stand	HS-60	Sunnen	1
*Drill Press		Rockwell	1
Spring Tester	1000	Rimac	1
Spring Tester	Bench Pro	Buxton Engineering	1
Guide Gage Set	P-310	Sunnen	2
Pressure Tester		AXE Equipment	1
Magna Flux	Y-6	Magna Flux	1
Seat Runout Gauge	VS1005	Sunnen	1
*Lathe		Colchester	1
*Welder	Handler 135	Hobart (MIG)	1
*Welder	PT275	Lincoln Electric (TIG)	2
*Welder	Millermatic 211	Miller (MIG)	1
Sonic Tester	PR-8	Dakota Ultrasonics	1
Tool Sharpener	TS-100	Sunnen	1

\*Equipment used in Block and Cylinder Head Machining Programs



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/CNC MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
5 Axis CNC Machining Center	ES-5-4T	Haas	1
3 Axis CNC Mill	V11	Takumi	1
Rotary Table	HRT-210	Haas	1
Tooling Block System	TBS-210-20	Haas	1
8" 3-Jaw Chuck	LC8-B	Haas	1
Control Simulator Module	CSMD	Haas	2
7-Axis Measurement Arm (8ft. w/ Bluetooth)	FaroArm Platinum	Faro	1
Laser Line Probe	V3	Faro	1
Portable Tripod	ACCS0134	Faro	1
Granite Rolling Cart	ACCS0164	Faro	1
Student Computer	T3400	Dell	20
Computer Software	Basic System	Verisurf	1
Computer Software	Reverse Module	Verisurf	1
Computer Software	X7 Multi-Axis	Mastercam	20



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/BLOCK & CYLINDER HEAD MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Dynamometer	SF902	SuperFlow	1
8 Channel Wide Band 02	WEGA III	Daytona Sensors	1
Blow-By Flow Meter	VF-563	J-TEC	1
Chassis Dynamometer	248X	DynoJet	1
Cylinder Hone	SV-10	Sunnen	1
Cylinder Hone	CK-10	Sunnen	1
(with all popular torque plates)		BHJ	25
Line Hone	CH-100	Sunnen	1
Line Bore	PLB-100	Sunnen	1
Rod Machine (Manual)	LBB-1699	Sunnen	1
Boring Bar	F2B	Rottler	1
*Surfacer	HBS-2100	Sunnen	1
Balancer	DCB-750	Sunnen	1
Vertical Mill	JTM-4VS	JET	1
Vertical Mill	XA900-1	Bridgeport	1
*Lathe		Colchester	1
Press	BP-10	Sunnen	2
Press	HP-15	JET	1
*Welder	Handler 135	Hobart (MIG)	1
*Welder	PT 275	Lincoln Electric (TIG)	2
*Welder	Millermatic 211	Miller (MIG)	1
Block-Tru		BHJ	1
Lifter-Tru (SB, BB, LS)		BHJ	1
Rod Bushing Fixture		BHJ	1
Power Ring Filer	064	ABS	1
Rod Heater	CRH-50	Sunnen	1



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/BLOCK & CYLINDER HEAD MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Cap Grinder	LGR-750	Sunnen	2
Setting Fixture	CF-1000	Sunnen	3
Piston Jig		Vuasa	1
*Drill Press		Rockwell	1
Rod Aligner	TN-11	Sunnen	1
Rod Aligner	RI	Tobin ARP	1
Crankshaft Polisher	PCP-1070	Goodson	1
Dial Bore Gage	GR-2000	Sunnen	5
Precision Gage	AG-300	Sunnen	3
Tool Sharpener	TS-100	Sunnen	1
Magna Flux	Y-6	Magna Flux	1
Profilometer	Pocket Surf III	Mahr Federal	1
Camshaft Analyzer	Cam Doctor	Quadrant Scientific	1
Camshaft Software		Audie Technology	1
Computer Software		Engine Expert	1
Computer Software		Windyn	1
Internet Access			

\*Equipment used in Block and Cylinder Head Machining Programs



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

## AUTOMOTIVE ENGINE/BLOCK & CYLINDER HEAD MACHINING EQUIPMENT LIST ADDENDUM

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Flow Bench (with Flow Com, Swirl Meter, & Port Flow Analyzer v 3.0 Software)	SF600	SuperFlow	1
*Surfacer	HBS-2100D	Sunnen	1
Seat & Guide Machine	VGS-20C	Sunnen	2
Valve Refacer	VR-6500K	Sunnen	1
Valve Refacer	VR7000	Sunnen	1
Valve Guide Honing Set	P-190	Sunnen	2
Valve Guide Honing Stand	HS-60	Sunnen	1
*Drill Press		Rockwell	1
Spring Tester	1000	Rimac	1
Spring Tester	Bench Pro	Buxton Engineering	1
Guide Gage Set	P-310	Sunnen	2
Pressure Tester		AXE Equipment	1
Magna Flux	Y-6	Magna Flux	1
Seat Runout Gauge	VS1005	Sunnen	1
*Lathe		Craftsman	1
*Welder	Handler 135	Hobart (MIG)	1
*Welder	PT275	Lincoln Electric (TIG)	2
*Welder	Millermatic 211	Miller (MIG)	1
Sonic Tester	PR-8	Dakota Ultrasonics	1
Tool Sharpener	TS-100	Sunnen	1

\*Equipment used in Block and Cylinder Head Machining Programs





1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

**ASSOCIATE OF APPLIED SCIENCE DEGREE  
 IN  
 AUTOMOTIVE ENGINE/BLOCK & CYLINDER HEAD MACHINING**

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Dynamometer	SF902	SuperFlow	1
8 Channel Wide Band 02	WEGA III	Daytona Sensors	1
Blow-By Flow Meter	VF-563	J-TEC	1
Chassis Dynamometer	248X	DynoJet	1
Cylinder Hone	SV-10	Sunnen	1
Cylinder Hone	CK-10	Sunnen	1
(with all popular torque plates)		BHJ	25
Line Hone	CH-100	Sunnen	1
Line Bore	PLB-100	Sunnen	1
Rod Machine (Manual)	LBB-1699	Sunnen	1
Boring Bar	F2B	Rottler	1
*Surfacer	HBS-2100	Sunnen	1
Balancer	DCB-750	Sunnen	1
Vertical MillJTM-4VS	JET		1
Vertical Mill	XA900-1	Bridgeport	1
*Lathe		Colchester	1
Press	BP-10	Sunnen	2
Press	HP-15	JET	1
*Welder	Handler 135	Hobart (MIG)	1
*Welder	PT 275	Lincoln Electric (TIG)	2
*Welder	Millermatic 211	Miller (MIG)	1
Block-Tru		BHJ	1
Lifter-Tru (SB,BB,LS)		BHJ	1
Rod Bushing Fixture		BHJ	1
Power Ring Filer	064	ABS	1
Rod Heater	CRH-50	Sunnen	1





1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

**ASSOCIATE OF APPLIED SCIENCE DEGREE  
 IN  
 AUTOMOTIVE ENGINE/BLOCK & CYLINDER HEAD MACHINING**

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Cap Grinder	LGR-750	Sunnen	2
Setting Fixture	CF-1000	Sunnen	3
Piston Jig		Vuasa	1
*Drill Press		Rockwell	1
Rod Aligner	TN-11	Sunnen	1
Rod Aligner	RI	Tobin ARP	1
Crankshaft Polisher	PCP-1070	Goodson	1
Dial Bore Gage	GR-2000	Sunnen	5
Precision Gage	AG-300	Sunnen	3
Tool Sharpener	TS-100	Sunnen	1
Magna Flux	Y-6	Magna Flux	1
Profilometer	Pocket Surf III	Mahr Federal	1
Camshaft Analyzer	Cam Doctor	Quadrant Scientific	1
Camshaft Software		Audie Technology	1
Computer Software		Engine Expert	1
Computer Software		Windyn	1
Internet Access			

\*Equipment used in Block and Cylinder Head Machining Programs



1911 Antoine Houston, Texas 77055  
 (713) 683-3817 Fax (713) 683-7077

www.samracing.com

**ASSOCIATE OF APPLIED SCIENCE DEGREE  
 IN  
 AUTOMOTIVE ENGINE/BLOCK & CYLINDER HEAD MACHINING**

<u>EQUIPMENT</u>	<u>MODEL</u>	<u>MANUFACTURER</u>	<u>QUANTITY</u>
Flow Bench (with Flow Com, Swirl Meter, & Port Flow Analyzer v 3.0 Software)	SF600	SuperFlow	1
*Surfacer	HBS-2100D	Sunnen	1
Seat & Guide Machine	VGS-20C	Sunnen	2
Valve Refacer	VR-6500K	Sunnen	1
Valve Refacer	VR7000	Sunnen	1
Valve Guide Honing Set	P-190	Sunnen	2
Valve Guide Honing Stand	HS-60	Sunnen	1
*Drill Press		Rockwell	1
Spring Tester	1000	Rimac	1
Spring Tester	Bench Pro	Buxton Engineering	1
Guide Gage Set	P-310	Sunnen	2
Pressure Tester		AXE Equipment	1
Magna Flux	Y-6	Magna Flux	1
Seat Runout Gauge	VS1005	Sunnen	1
*Lathe		Craftsman	1
*Welder	Handler 135	Hobart (MIG)	1
*Welder	PT275	Lincoln Electric (TIG)	2
Welder	Millermatic 211	Miller (MIG)	1
Sonic Tester	PR-8	Dakota Ultrasonics	1
Tool Sharpener	TS-100	Sunnen	1

\*Equipment used in Block and Cylinder Head Machining Programs



1911 Antoine Houston, Texas 77055  
(713) 683-3817 Fax (713) 683-7077

[www.samracing.com](http://www.samracing.com)

## **MOTORSPORTS WELDING EQUIPMENT LIST ADDENDUM**

<b><u>EQUIPMENT</u></b>	<b><u>MODEL</u></b>	<b><u>MANUFACTURER</u></b>	<b><u>QUANTITY</u></b>
-------------------------	---------------------	----------------------------	------------------------

The Equipment list for the Motorsports Welding Program has not been finalized. Classes will begin in 2016.