

ENERGY

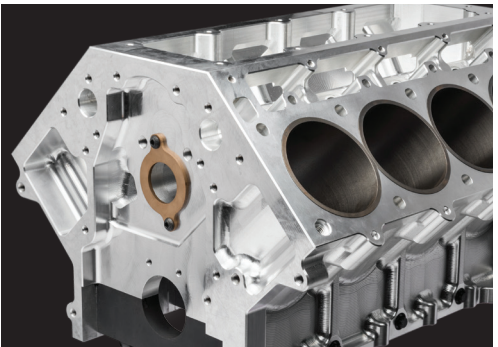
SERIOUS PRODUCTION POWER FOR SERIOUS RACERS

ENERGY MANUFACTURING CAN GET YOU ON THE TRACK FASTER AND WITH THE BEST PARTS AND ENGINEERING SOLUTIONS AVAILABLE. OUR PERFORMANCE PARTS ARE DESIGNED AND PRECISION TUNED IN OUR OWN STATE-OF-ART MANUFACTURING FACILITIES - A TOTAL DEDICATION TO OFFERING SERIOUS PRODUCTION POWER TO SERIOUS RACERS.

BECAUSE WAITING ISN'T WINNING.



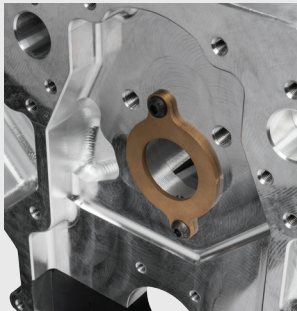
ENGINE BLOCKS - CYLINDER HEADS - INTAKE MANIFOLDS - ACCESSORIES



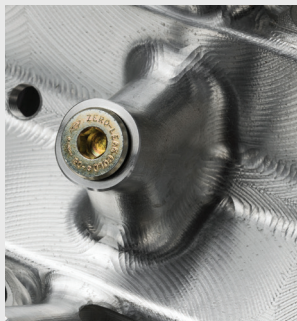
Designed and manufactured in the USA



FIT & FINISH



Standard or raised 55mm babbitt to 60mm roller cam options, bronze material cam thrust plate included on LS & SBF billet blocks.



Lifter valley oil galley cross overs with restrictor provisions.



4140 steel billet main caps, ARP main studs with enhanced oiling features.

BILLET ALUMINUM ENGINE BLOCKS

Energy Manufacturing billet blocks begin life as a 490 pound block of high grade forged 6061 aluminum. Featuring rolled thread tapped holes for extra strength and high strength cylinder liners, careful attention is given to fit and finish of the overall block. Each semi-finished block is thoroughly heat treated to T6 Standards.

- 55 mm Babbitt to 60 mm Roller Cam Bore Options
- Standard or Custom Bushed Lifters
- Quality of Machine Work, Radius Fillets for Strength, Machined in Chamfer
- True Priority Main Oiling
- Improved Lifter Galley Cross Over Oiling with Restrictor Provision
- No Weldments

BBC BILLET BLOCK

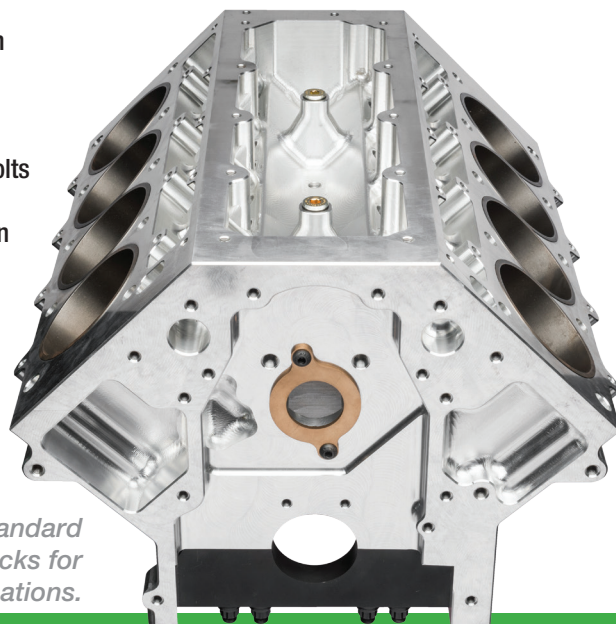
- Standard or Raised Camshaft Positions
- 7/16" Head Stud Provisions
- 7075 Aluminum or 4140 Steel Main Caps
- 9/16" and 1/2" Splayed Main Studs

SBF BILLET BLOCK

- High Strength Bearing Bronze Cam Thrust Retention
- Standard or Raised Camshaft Positions
- 1/2" ARP Main Studs
- 1/2" Head Stud Provisions
- 7075 Aluminum or 4140 Steel Main Caps

LS BILLET BLOCK

- High Strength Bearing Bronze Cam Thrust Retention
- Standard or Raised Camshaft Positions
- 1/2" ARP Main Studs With Cross Bolts
- 1/2" Head Stud Provisions
- 7075 Aluminum or 4140 Steel Main Caps



LS standard and tall deck, standard and raised cam, solid billet blocks for ultra-high horsepower applications.



CYLINDER HEADS

Energy cylinder heads are manufactured with ultra-strong billet 6061 T6 material. They are available for high horsepower N/A, N₂O and boosted applications in solid or water cooled versions. Our cylinder heads are CNC ported for maximum performance along with enhanced valve seat support-integrity for increased durability in extreme conditions.

ENERGY LS 8°

The Energy LS 8° cylinder heads are machined from ultra-strong billet 6061T6 aluminum. They are engineered to reliably perform in N/A, N₂O, Turbo and Supercharged applications. Perfect for Heads Up, Outlaw, Shoot Out, X275, Grudge and other forms of competition.

- Chamber Volume = 43cc
- Intake Valve Size = 2.275"
- Exhaust Valve Size = 1.625"
- Alloy Valve Seats Finished with 50° Valve Job
- 8° Intake Valve Angle, Canted 4°
- .4° Exhaust Valve Angle, Canted 2.5°
- Intake Runner Volume = 357cc
- 18 Head Bolt Design, will Work with Standard Bolt Configuration
- O-ringed Intake Flanges
- Machined for Optional Head Saver Washer Inserts
- 11/32 Bronze Intake and Steel Exhaust Guides for Strength in High Heat / Boosted Applications

ENERGY SBF 10.5°

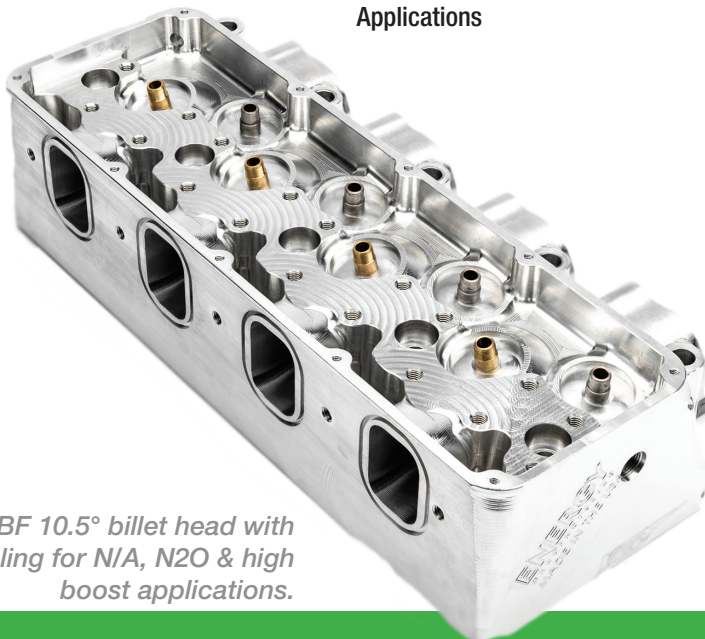
The Energy SBF 10.5° cylinder heads are machined from ultra-strong billet 6061T6 aluminum. They are engineered to reliably perform in N/A, N₂O, Turbo and Supercharged applications. Perfect for Heads Up, Outlaw, Shoot Out, X275, Grudge and other forms of competition.

- Chamber Volume = 43cc
- Intake Valve Size = 2.275"
- Exhaust Valve Size = 1.625"
- Alloy Valve Seats Finished with 50° Valve Job
- 10.5° Intake Valve Angle, Canted 2.5°
- 3° Exhaust Valve Angle, Canted 5°
- Intake Runner Volume = 330cc
- Standard SBF Head Bolt Pattern with Provision for 18 Head Bolt Configuration
- O-Ringed Intake Flanges
- Machined for Optional Head Saver Washer Inserts 11/32 Bronze Intake and Steel Exhaust Guides for Strength in High Heat / Boosted Applications

ENERGY BBC 14.5°

The Energy BBC 14.5° cylinder heads are machined from ultra-strong billet 6061T6 aluminum. They are engineered to reliably perform in N/A, N₂O, Turbo and Supercharged applications. Perfect for Heads Up, Outlaw, Shoot Out, Grudge and other forms of competition.

- Chamber Volume = 84cc
- Intake Valve Size = 2.480"
- Exhaust Valve Size = 1.920"
- Alloy Valve Seats Finished with 50° Valve Job
- 14.5° Intake Valve Angle, Canted 4°
- 6° Exhaust Valve Angle, Canted 4°
- Intake Runner Volume = 410cc
- Traditional 18 BBC Head Bolt Pattern
- O-Ringed Intake Flanges
- Machined for Optional Head Saver Washer Inserts
- 11/32 Bronze Intake and Steel Exhaust Guides for Strength in High Heat / Boosted Applications
- Standard Lifter Location Compatible



ENERGY SBF 10.5° billet head with water cooling for N/A, N₂O & high boost applications.



CNC LS combustion chamber & ports complete with 50° valve job, blended alloy valve seats for N₂O & high boost applications.

ENERGY INTAKE MANIFOLDS

CNC machined flanges, runners, and lids mated to billet plenums combine to create a recipe for performance while also providing the look of extreme quality that you expect. Air inlet area, angle, runner length, taper, and plenum size are optimized to provide maximum performance in each application. Carbureted or fuel injected, naturally aspirated or forced induction, Energy manifolds can be matched to your Energy cylinder heads giving you even more performance.

- All Billet Aluminum Construction
- EFI and Carbureted Versions Available
- Available for all ENERGY Cylinder Heads
- Forward Entry EFI with Correct Air Entry Angle, Taper and Volume for Application
- Single or Dual Carb / Throttle Body Tunnel Ram Versions
- Fuel Rails Included with EFI Manifolds



EQUIPMENT LIST

HORIZONTAL BORING MILL

Giddings & Lewis Model PC50
(3) Giddings & Lewis Model MC50
Giddings & Lewis Model MC60
Giddings & Lewis Model MC70

MILLTURN

WFL M65 5 Axis

VERTICAL LATHE

Toshiba TUE-150(s)

HORIZONTAL LATHE

Cincinnati Falcon
(3) Cincinnati Cinturn 24 CNC Chucking Center

MATERIAL HANDLING

Crane Capacity – Up to 5 Tons

HORIZONTAL MACHINING CENTER

Giddings & Lewis Orion 800
Giddings & Lewis Orion 2300
(2) Makino a61nx
(2) Heller MC500
Doosan HM1000
Mori Seiki MH-630

VERTICAL MACHINING CENTER

Haas VF5B/40
Haas VF6/50

FABRICATION EQUIPMENT

Miller XMT 350 MPa Welder
Miller Proheat 35 Induction Heater
Boretech 306-Z Bore Welder



ENERGY MANUFACTURING, LTD.

1830 Old Oak Harbor Road | Fremont, Ohio 43420 | (419) 355-9304
Copyright © 2017

