

# styr<sup>TM</sup>

## CYLINDER HEAD MANUFACTURER

URSUS C-360



URSUS C-330



ZETOR UNIVERSAL



URSUS II C-385



FD 5000-6610



### HI-TECH FOUNDRY

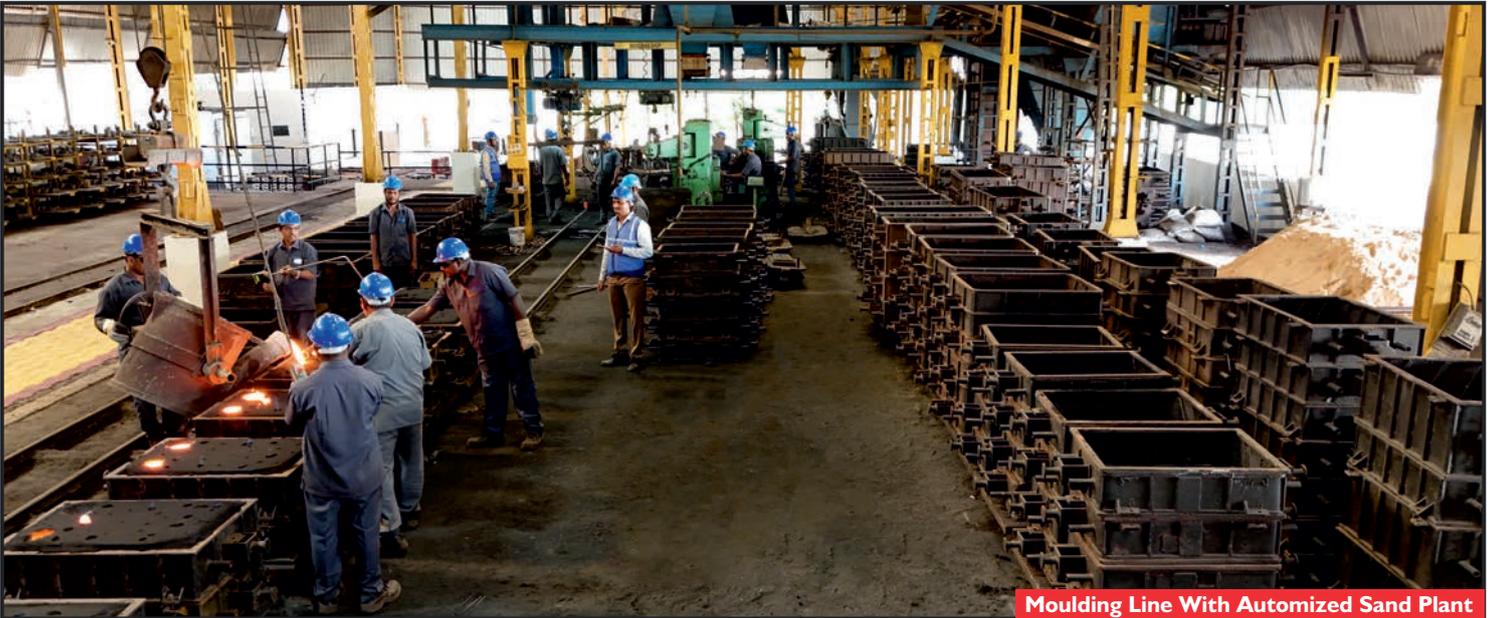
### VMC + HMC PRODUCTION LINE

CYLINDER HEAD | CULATA | ЦИЛИНДЕР ХЕАД | GŁOWICA





**Automized Core Shooter & Core Assembly**



**Moulding Line With Automized Sand Plant**



**Vertical Machining Center**



**Vertical Machining Center**



**Introduction:** Styr Foundry & Mfg. Co. is a leading India based manufacturing company having two Hi-Tech Plants producing all types of Cylinder Heads. Styr has an extensive Cylinder Head range. Styr is a Government of India approved Export House, ISO 9001:2015 accredited and holding Soncap certification. Styr is a preferred and reliable supplier to selected OEM's and also to more than 75 Countries spread all over the world.

**Cylinder Head Range:** Manufacturer of all types of heavy duty multi-cylinder heads suitable for Tractors, Trucks, Automobiles, Industrial Engines, Marine Engine & Refrigeration Compressors, having weight range between 10 kgs. to 200 kgs.

**Installed Capacity:** 36,000 Units per annum.

**Cylinder Head Components:** Available both Bare Cylinder Head & Complete Cylinder Head assembly. All inlet & exhaust valve, valve guide, valve spring, cotter, valve stem seal, stud & side plate, are of OEM prime quality.

**Cylinder Head Raw Material Grade:** High grade low alloyed Grey Cast Iron. GG-26 CrNi, GG-26 Cr, GG-26 CuCr, GG-26 MoCr, GG-26 CuMoCr. With uniform hardness and with stress relieving as per International Standards.

**Hi-Tech Foundry with Production Line:**

- High pressure moulding line & Sand Plant.
- Automized Horizontal & Vertical core shooter with baking oven.
- 48" Heavy Duty Double Door Short-Blasting Machine.
- VMC + HMC Production Line.
- Heavy Duty VMC Centers.
- Valve Seat Cutting Unit.
- CNC Machines.
- Heat Treatment, Hardening, Tempering, Normalizing & Stress Relieving Unit.
- Dynamic Balancing Machine

**Quality Control:**

- All Cylinder Head manufactured and inspected using Hi-Tech quality control systems.
- In-House Bruker Germany Spectrometer Lab for material analysis.
- Mechanical & Chemical testing.
- Mitutoyo 2D CMM Unit.
- All Cylinder Heads are Magnafluxed & Fatigue tested.
- Hardness Testing Unit.
- Cylinder Head Leakage Testing Unit.

**New Cylinder Head Development:**

- Fully equipped to undertake any new Cylinder Head development.
- In-House tool room and Pattern shop with Cad/Cam facility.

**Styr Warranty:** We guarantee that all Cylinder Heads manufactured by us are free from all types of defects. In case of any fitment defect we confirm to replace the defective crankshaft free of cost. Styr liability will be restricted only to the replacement of Cylinder Head and shall not include payment of any type of compensation towards any consequence(s) arising on account of fitment of any defective Cylinder Head.

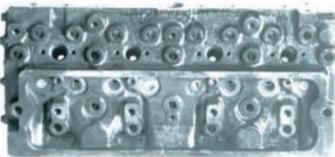
**Styr Disclaimer:**

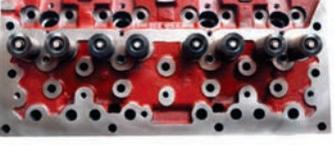
All Cylinder Head manufacturer's symbols, numbers and descriptions are used in this catalogue for reference purpose only and do not imply that any part listed therein is the product of these manufacturer's.

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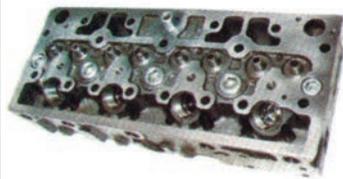
SF #	Engine/Model	Cyl.	Description	Photo
<b>PERKINS - MF</b>				
701	Perkins A3.152 MF 35, 35X	3	Perkins: ZZ80048, 58462, 82620, 86553, ZZ80058, 68131, U5BD0024. MF: 3638321M91, 731781M91, 3637784M91, 68131, U5BD0024, ZZ80058, 734272M91. Pre-Combustion. 1040-E.	
702	Massey Ferguson AD3.152	3	Perkins: ZZ80082, ZZ80025, ZZ80235, 68128, 86550, 86609, 89141, A5BD1969, A5BD2722. MF: 135-148-230-240-250-350-550. 4222810M91, 3637389R91, 3637389M91, 4222810E91, 737704M91, 747574M91, 743201M91, 740595M91. Leyland Marshall: AHM2215. JCB: 02130060. Direct Injection. S-3.	
703	Perkins A4.203 Perkins A4.192	4	Perkins: ZZ80051, 82611, 86520, 68135, U5BD0028, ZZ80047, ZZ80089. MF: ZZ80089, ZZ80051. Landini : 86520, U5BD0028, 68135, ZZ80089, Zz80047	
703 B Model	Perkins 4.203 Indirect Injection	4	MF 3639529M1, 420398	
725	Tapa 4.203 Argentina Model	4	Indirect Injection. mm Threading. P-4.	
704	Perkins AD4.203	4	Perkins - MF: 65-765-155-158-260-560. 3637384M91, 68184, 80167, 82612, 86521, ZZ80033. S-4.	
705	Perkins A4.236 Perkins A4.248 Perkins A4.212	4	Perkins: ZZ80072, 68109, 68112, 68113, 68115, 68120, 86566, 86584, 86588, 86589, 86608, A5BD1135, A5BD1138, A5BD2631, A5BD2383, A5BD2923, ZZ80054, ZZ80175, U5BD0004. MF: 168-175-185-265-285-290-390-3055-3060. 737772M1, 3637486M91, 3640877M91, 3640877R91, 742805M91, 748400M91, 742803M91. JCB: 02101748, 02101606, 02101924, 02100014, 02101882, 2101584 Renault: 6005000673. Direct Injection. 4.236.	

SF #	Engine/Model	Cyl.	Description	Photo
<b>PERKINS - MF</b>				
754	Perkins A4.236 Perkins A4.248 Perkins A4.212	4	Suitable For Cylinder Head With Mechanical Sender Unit. Cylinder Head Has A Water Temperature Gauge Fitment Provision & Is Suitable For The Later Application Tractors.	
706	Perkins 3.152	3	Pre-Combustion. mm Threading. P-3.	
707	Phaser 1004.4T	4	Phaser Series. JCB 4.236. Direct Injection.	
<b>MAXION - PERKINS - MF</b>				
772	S4 Maxion. S-4003	4	Motor Maxion S4, P4000, GM D20, D40, 06000, MF 275, 2909901120001, 48350061, S4050, 70993376R, S4021	 Generic
761	S4T Maxion. S-4024. Turbo	4	S-4024. Turbo Chevrolet: Pick-Up D-20 Massey Ferguson: MF630 / MF640 Motor Maxion S4T, P4000T Agricola MF610, 620, 292, GM D20. Turbo S-4024, MX001, 7004712C91	 Generic
762	S4T-Plus Maxion (150HP). S-4047. Turbo	4	S-4047. Turbo Chevrolet: Pick-Up D-20 Motor Maxion S4T Plus (150HP), 150CV, GM Chevrolet D-20, D40. Turbo S-4047, MX002	 Generic

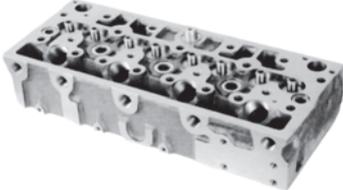
SF #	Engine/Model	Cyl.	Description	Photo
<b>MAXION - PERKINS - MF</b>				
763	4236-209	4	Chevrolet: Pick-Up D-10 / D-20 - Caminhão D40 A Partir DE 1985 Massey Ferguson: MF50 / MF86 / MF87 / MF95 / MF99 / MF168 / MF180 / MF187 / MF250 / MF265 / MF270 / MF275 / MF285 / MF290 / MF292 / MF470 / MF575 Case: Agrícola 580H	 Generic
764	4248-209	4	Chevrolet: Pick-Up D-20 Massey Ferguson: MF85 / MF178 / MF185 / MF186 / DT8000 / MF11 / MF33 MF300 / MF350 / MF590A Industrial	 Generic
<b>IMT - IMR - BALKAN STATES</b>				
708	IMT 539	3	IMT-539, 540, 542 3.152. M33 Part # 804519; 811867 With Valve Guide, Valve, Spring, Stud & Nut	
709	RAKOVICA 65	4	R65. MF165 DM34. D4.203 Part # 815884 With Valve Guide, Valve, Spring, Stud & Nut	
710	IMT 577	4	IMT 575. 577. 578 S44/V. 4.236 With Valve Guide, Valve & Spring	
711	IMT 560	4	IMT 560 Water Hole Open With Valve Guide, Valve, Spring, Stud & Nut	

SF #	Engine/Model	Cyl.	Description	Photo
<b>IMT - IMR - BALKAN STATES</b>				
712	IMT 533	3	IMT 533 Part # 3303620 With Valve Guide, Valve, Spring, Stud & Nut	
739	IMT 549	3	IMT 549 DM33. D3.152 With Valve Guide, Valve, Spring, Stud & Nut	
740	IMT 560	4	IMT 558. R60 Water Hole Closed Part # 811866 With Valve Guide, Valve, Spring, Stud & Nut	
<b>URSUS</b>				
720	46.50534.0 46505110 950501	1	C-360. Direct Injection.	
721	42.02205.0 42022020	2	C-330. Pre-Combustion.	
757	83005509 84005009 80005009	4	C-385 Ursus II. 4V Heavy Duty Głowica Silnika Kompletna	

SF #	Engine/Model	Cyl.	Description	Photo
<b>ZETOR</b>				
722	7101.0501 49010554	1	Zetor. Direct Injection.	
748	4901.0554 71010501	1	Zetor. Direct Injection.	
749	5501.0501	1	Zetor. Direct Injection. Bare Head With Plug & Bushing.	
750	50 Super	1	Czechoslovakia Zetor 50 Super Standard Tractor. 80 HP.	
<b>ZTS</b>				
758	ZTS 83.005.509 84.005.009 80.005.009	4	4V Heavy Duty. Tractor 80 Hp. Głowica Silnika Kompletna	
<b>OM MERCEDES</b>				
713	355 010 0220 355 010 0820	1	OM 346. OM 355. Direct Injection.	

SF #	Engine/Model	Cyl.	Description	Photo
<b>OM MERCEDES</b>				
714	355 010 0220 Iran Model	1	OM 355. OM 355/A.	
715	355 010 0620 Iran Model	1	OM 355. Turbo.	
728	314 010 5620 314 010 3320	4	OM 314. Direct Injection.	
716	312 010 3020	6	OM 312. Direct Injection.	
759	321 010 1520 321 010 1620	6	OM 321. Direct Injection.	
760	352 010 5020 352 010 5220	6	OM 352. OM 353. Direct Injection.	

SF #	Engine/Model	Cyl.	Description	Photo
<b>OM MERCEDES</b>				
755	352 010 2221 352 010 0521	6	OM 352 A. Turbo. AL: 01-00093. Part 344 010 1420 Mercedes-Benz: 1116 / 1316 / 1516 / 2016 / 2216. Type 45	
718	366 010 1720 366 010 1620	6	OM 366. Non Turbo. Part 3760107420/C	
756	366 010 2920 366 010 6620	6	OM 366 A. Turbo. AL: 01-00066. A 366 010 6820	
743	403 010 4020 427 010 1020	1	OM 401 - OM 404. OM 407 - OM 409.	
744	442 010 0620 Turbo	1	OM 441/A. OM 442/A.	
745	457 010 4520	1	OM 457. Direct Injection.	

SF #	Engine/Model	Cyl.	Description	Photo
<b>OM MERCEDES</b>				
765	362.010.0920	6	OM 352 A. Turbo. Mercedes-Benz: 1118 / 1117 / 1318 / 1517 / 1518 / 2217. Type 30.	
766	314.010.5120	4	OM 314. Aspirado Mercedes-Benz: 608 / 608-D / 608-E / Toyota / LO-708 / L-708 / 708 E	
769	314.010.5620 314.010.3320	4	OM 314.	
773	366.010.7020	6	OM 366 LA. 1620 / 1418 / 1218 / 1718. Turbo Intercooler	
774	376.010.7320	6	OM 366. Aspirado Mercedes: 1214 / 1414 / 1614 / 1814 / 2014	
<b>MWM</b>				
719	MWM Engine D226; D229; D225 117380	1	001841C91I; 922681400018; 922681400016; 118670; 118690	

SF #	Engine/Model	Cyl.	Description	Photo
<b>MWM</b>				
723	MWM Engine 4.10 (10 Series) Maxxforce 4.3 Engine ICW - X10ASP	1	MWM Series 10. Aspirate. 9.410.0.140.004.5	
724	MWM Engine 6.10 (10 Series) Maxxforce 6.5 Engine ICW - X10TUR	1	MWM Series 10. Turbo. 9.610.0.140.006.5	
<b>IH CASE</b>				
729	3044489R91 3044490	4	B275; D434; 374; 384; 444; B414; BD3434; BD434. Pre-Combustion.	
<b>KUBOTA</b>				
751	V 2203	4	16429-03040, 19077-03040, 19077-03048, 17111-03040 Cylinder Head - Bare Fits Kubota L4310 L4200 Fits Bobcat 773 S175 S150 S130 763 753 Fits Case Fits Kioti DK45 Fits Gehl Fits Volvo Fits Scat Trak	
752	V 1902	4	15476-03040, 15476-02040, 15476-03043 Cylinder Head - Bare Fits Kubota V1902 KH151 KX151 KX101 R410B R410 L3350 KH101 Fits New Holland L555 L553 Fits Thomas Fits Bobcat 231 Fits Scat Trak	
753	V 1702	4	15422-03044, 15422-03040 Cylinder Head - Bare Fits Kubota L355 KH90 V1702B V1702 15422-03040 Fits Bobcat 1600 733 743 3023 6598127 Fits Mustang 442 15422-03040	

SF #	Engine/Model	Cyl.	Description	Photo
<b>BADSUN - IRAN</b>				
746	Badsun	4	T3712H07A/3. Iran Model	
<b>FORD - NEW HOLLAND</b>				
742	87802183	3	Ford Finis; Case New Holland. Direct Injection.	
741	D3NN6049J	4	Ford 5000-6610. Direct Injection.	
<b>ROMANIA UTB</b>				
730	UTB 650 Tractor Engine UTB 650.	4	UTB: 1003018; 065-1003018. Romania UTB Universal.	
<b>YANMAR</b>				
732	Yanmar N22Y	1	Without Guide Fitted With Valve Seat Insert.	
733	Yanmar N28Y	1	Bare Head.	
<b>VOLVO</b>				
747	TD 120 / 121	1	478128 / 470332 / 470244.	



Machining Plant

Foundry Plant



Bruker Spectrometer Lab



Hardness Tester



Leakage Testing



Mitutoyo 2D CMM Unit

**Export Packing**



**OEM QUALITY COMPONENTS**





**Foundry Plant**



**VMC + HMC Production Line**



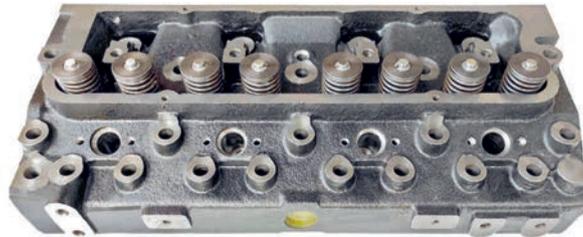
**Vertical Machining Center**



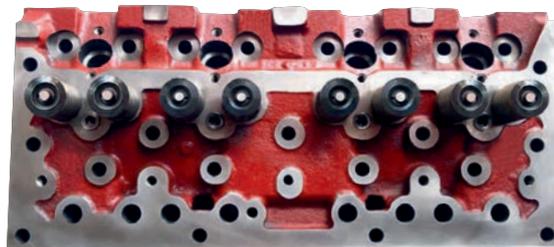
**Valve Seat Unit**



OM 366



A4.236



AD4.203



AD3.152



OM 355

**STYR FOUNDRY & MFG. CO.**

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