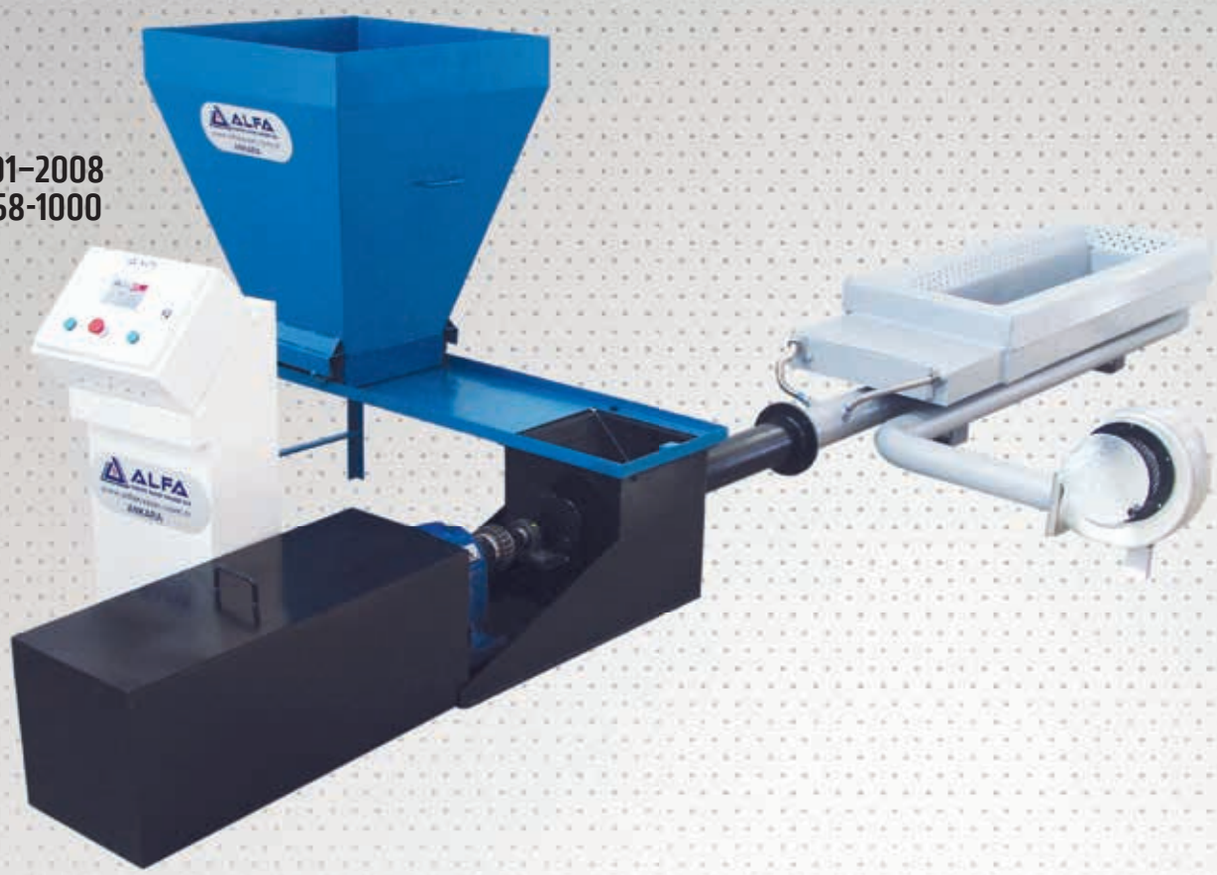
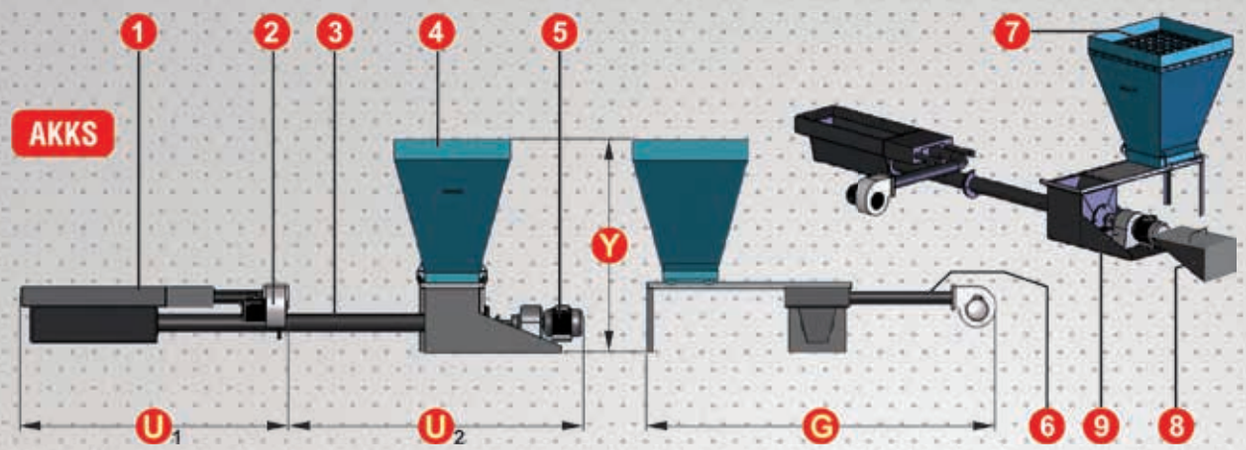
ISO 9001–2008
BFPN:158-1000

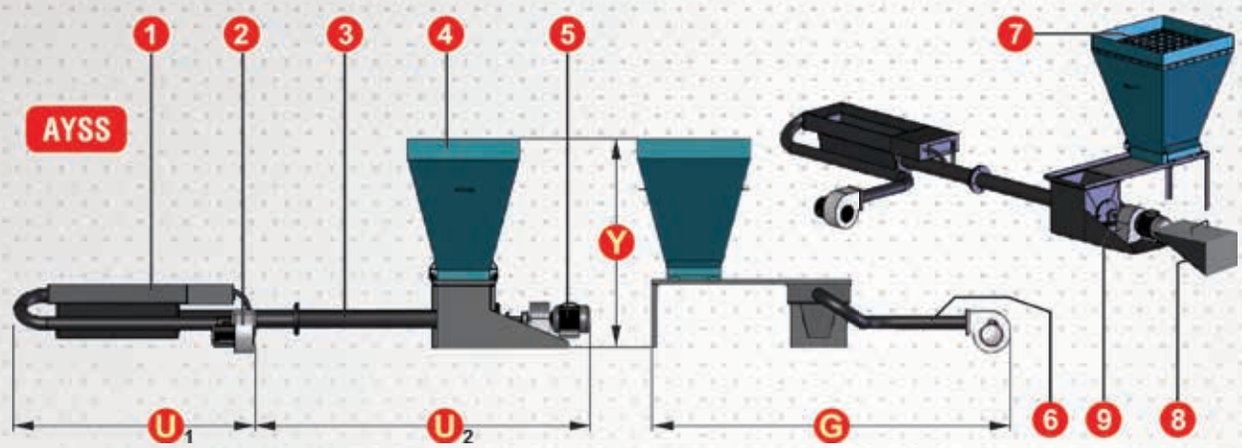


THE FEATURES OF AST MECHANIC DUST COAL BURNER STOCKERS

- It is an automatic coal burner transforming the boilers burning liquid and gas fuel and providing continues loading facility to the solid fuel boilers and that is semi cylindrical and cylindrical and installed in front of hot water, hot water and the steam boilers or in combustion chamber within the scope of TS EN 12952-1-3, TS 377-1.2-3-4-5-6-7-8-10.11-12- 14, TS EN 12953.1-2-3-4-5-6-7-8-10-11-12-14 standards.
- Under the operation conditions and the measurements conducted in accordance with TS 4040, TS 4041 standards and "Air pollution control resulted from heating" and "the control of industrial based air pollution" regulations entered into force by the Ministry of Environment and Forestry.
- It burns small grain coals and coal dust at high efficiency.
- It is manufactured in screwed type.
- It burns all kind of lignite and dust coal.
- It started a diet for burning system in a very short time.
- It provides smokeless and full burning.
- It is environmentally friendly.
- It is high efficient.
- It operates without problem in heavy operation conditions.
- It provides saving 30% compared to hand loaded solid fuel.
- Solid fuel combustion systems operating with AST system is more economic as much as 70% compared to fuel-oil.
- Its manufacturing and design are conducted in all capacities.
- It provides excellent solution in larger capacities where hand loading is impossible.
- Due to high performance in steam boilers, it allows fast access opportunity to maximum capacities in steam production.
- It burns low quality coal with high performance and it is economic.
- It can be easily used in present solid fuel boilers.
- It reduces burning defaults and increases burning efficiency.
- It allows sending enough amount of fresh air to burning chamber.
- It reduces unburned solid fuel amount.
- It burns coal types in the size of 0,5-30 mm, and the fuels such as nut shell, prina, husk (cotton pulp), wood dust at high efficiency.



1. Solid Fuel Combustion Chamber	4. Solid fuel stocker bunker	7. Dust coal sieve
2. Pressure bellows light	5. Drive gear box	8. Reducer case sheet
3. Coal conveying duck	6. Forced air channel	9. Moment transmission couplings



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TECHNICAL DIMENSIONS OF AST MECHANIC DUST COAL BURNER STOKERS

STOKER TYPE	UNIT	AST 5	AST 20	AST 30	AST 55	AST 75	AST 100	AST 125	AST 150	AST 250
Coal loading capacity	Kcal/h	20.000	60.000	210.000	310.000	560.000	760.000	1.010.000	1.260.000	1.510.000
		50.000	200.000	300.000	550.000	750.000	.000.000	1.250.000	1.500.000	2.500.000
Boiler capacity range	m^2	50.000	200.000	300.000	550.000	750.000	.000.000	1.250.000	1.500.000	2.500.000
Coal loading capacity G	Kg/h	2 - 5 m^2	6 - 20 m^2	21 - 30 m^2	31 - 55 m^2	56 - 75 m^2	76 - 100 m^2	101 - 125 m^2	126 - 150 m^2	151 - 250 m^2
Width U_1	mm	10	40	60	110	150	200	250	300	500
Length 1 U_2	Mm	1.660	2.000	2.000	2.300	2.500	2.700	2.700	3.600	3.600
Length 2 Y	mm	1.250	1.600	1.700	1.850	2.300	2.400	2.600	2.600	2.800
Height	mm	1.500	1.500	2.250	2.250	2.500	2.700	2.800	2.800	2.800
Bunker volume	m_3	1.200	1.200	1.450	1.450	1.450	1.600	1.600	1.600	1.600

- Note: Coal (Solid Fuel) lower thermal value is taken to be 6.000 kcal/Kg.
- Two pieces of 1750 mm (AST 125) are used in AST 150 Stocker.
- Two pieces of 1950 mm are used in AST 250 Stocker.
- The right of making change in technical issues is reserved by our firm.
- Special designs and manufacturing can be done.