



# *Soya toasters*



## *Offer a genuine diet to your animals*

Soya beans are precious for their high organic value as much as derivated oils and proteins are particularly suitable for animal feeding. However, after harvest they contain anti-nutritional components which might cause reduced productivity, and consequent economic losses, if they are not eliminated by suitable heat treatments.

An indicator of the anti-nutritional components contained in soya is the presence of an enzyme called urease which is gradually eliminated by toasting: lowering the level of urease lowers the level of noxious elements.

MECMAR toasters enhance the nutritional properties of soya and keep under control the presence of anti-nutritional components maintaining unaltered the vegetable fats. In this manner, the possibility of using whole soya beans in the livestock feed will allow to reach the same caloric value for the animal diet with smaller quantity of cereal. The organoleptic qualities of the beans are improved without altering its nutritional worth.



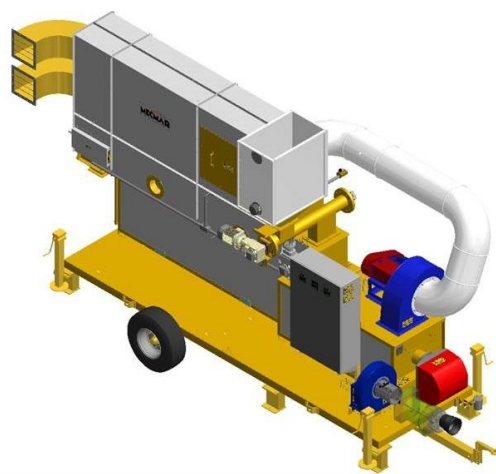
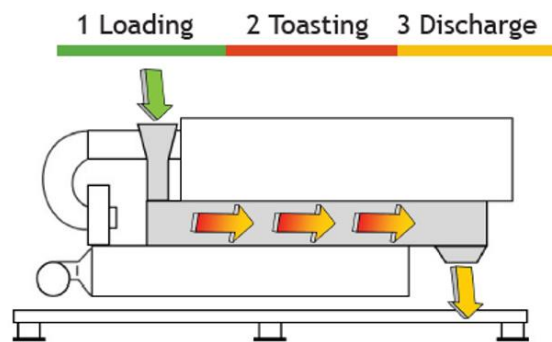


The soya beans - i.e. at 13% moisture content – enter the toaster through a horizontal distributor powered by an electric motor. Beans are then treated with high temperature air. The process is continuous, fast (beans are processed for few minutes) and the output is homogeneous thanks to constant blending of beans while toasting.

After the treatment, the soy needs to pass through a cooling system and eventually a post-cleaner (optional). A heat recovery system installed at the air inlet gives the possibility to pre-warm fresh air before entering the burner saving fuel and related costs. Our soy toasters are designed to be user friendly requiring as low maintenance as possible. If requested, the toaster can be delivered with wheels and draw bar for allowing the movement within private areas only.

Our 30-year experience in dimensioning and manufacturing grain plants can be of support for integrating these machines in any farm facility. Our company is certified ISO 9001-2008 because quality is our focus, from design to assistance. Please visit our website [www.mecmargroup.com](http://www.mecmargroup.com) to find more information and to look for your nearest MECMAR dealer.

MODEL	T20	T50
Productivity [ton/h]	1.5 - 2.5	4.0 - 6.0
Power type	Electrical power	
Overall dimensions [m]	1,5 x 6,6 x 3,1	2,5 x 7,2 x 3,8
Weight [kg]	2500	3200
Grain feeding system electrical motor [kW]	1,10	1,10
Main fan electrical motor [kW]	7,50	15,00
Burner fan electrical motor [kW]	2,20	1,10
Chain conveyor electrical motor [kW]	0,25	0,25
Burner nominal power [kW]	Max 593	Max 1186
Burner type	Gas - diesel - LPG	
Heating mode	Direct flame	
Heating with heat exchanger	On demand	
Theoretical consumptions for diesel	19 l <sub>diesel</sub> /ton <sub>soya</sub>	
Theoretical consumptions for gas	19 m <sup>3</sup> <sub>gas</sub> /ton <sub>soya</sub>	
Theoretical consumptions for LPG	28 l <sub>LPG</sub> /ton <sub>soya</sub>	
Production rate modulation	Through touch screen	
Automatic fire extinguish system	Included	
Heat recovery system	Included	
Transportable version (on wheels)	On demand	
Independent loading hopper (variable capacity)	On demand	
Product conveyors (at loading/discharging)	On demand	
Cooling system	On demand	
Air cleaning cyclone	On demand	



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