



ARE YOU FEEDING 100 - 1000 ANIMALS?

5 GREAT BENEFITS OF TOASTED SOYBEAN

The toasting process is a hot air temperature treatment that allows to:

- Make the soya **more tasteful and appetizing** to the animal who enjoys eating it
- **Increase** the bypass proteins
- **Minimize trypsin inhibitors** that interfere with protein digestion
- Do not affect the **fat and vitamins** content
- Make the animals **stronger and healthier**

TOAST YOUR SOYBEAN TO MAKE IT MORE BENEFICIAL

5 REASONS TO USE THE TX SYSTEM

- **BIO** - The heat is generated by electrical power, not involving flames and/or products of combustion
- **ECONOMICAL** - Low investment costs and all low use costs considering that possible heat recoveries and energy saving solutions have been included for ensuring the maximum energy saving
- **SIMPLE** - Only electrical power is required for running the toaster.
- **A COMPACT PLANT** - It integrates the technology of a toaster with the advantages of a cooler so that soybean comes out toasted and cooled
- **HOMOGENEOUS PROCESS** - Uniform and homogeneous toasting is processed in continuous flow



A strong galvanised box from the outside, a hi-tech pulsing heart in the inside, the new TX series is not a toaster only but it is a professional and compact toasting plant allowing small to medium size animal farmers to feed their animals with own produced soybean saving supply costs and raising the quality level of the feed.

The clean and dry (typ. 13% moisture content) grains/beans to be processed enter the TX from the top and go through a stepwise controlled process before exiting the machine toasted and cooled in a continuous process.

The TX is equipped with a control system relying on sensors and inverters that can be connected to a PLC system (optional) providing automation and real time monitoring of the process variables for reaching the optimum and most homogeneous toasting effects at any instant.

Our 40-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 because quality is our focus, from design to assistance. Please visit our website www.mecmargroup.com to find more information and to look for your nearest MECMAR dealer.

MODEL	[unit]	TX 1	TX 2	TX 3
Output	[kg/h]	70 - 110	150 - 200	250 - 300
Electrical power requirement	[kW]	10	16	24
Length	[m]	1,95	1,95	2,35
Width	[m]	0,7	1,20	1,5
Height	[m]	2,75	2,85	3,50
Weight	[kg]	700	830	1500

The output is given considering nominal conditions of whole, clean soybean at 13% moisture content for feeding the machine, 20°C ambient air temperature and 108°C product temperature after toasting section. Different process parameters will lead to different outputs. Please do not hesitate to contact the nearest MECMAR dealer for more information. Under our policy of continuous improvement, we reserve the rights to change the specifications provided in this brochure without prior notice.