

Marumerizer[®]

Model QJ-700TG



LCI's QJ-700TG Marumerizer is a production scale spheronizer which converts wet pellets into spheres.

Features

- 700 mm diameter friction plate
- 20 liters nominal batch size
- Batch operation with automatic discharge valve
- 316 SS GMP design with high polish finish
- 304 SS heating/cooling water jacket to prevent material sticking on the bowl
- Integrated plate lifting device
- Limit switches on lid and discharge chute for safety
- Roll-around machine frame with casters
- Variable speed drive with 10 hp general-purpose motor
- Integrated controls on articulating arm
- Compressed air under plate

Operation

Pellets are fed to the spinning friction plate and thrown against the Marumerizer bowl forming "twisting ropes". Collision of particles with the wall, friction plate, and with other particles, results in the deformation of the pellets into spheres. The final particle shape is time and formulation dependent. Once the desired particle shape is achieved, the discharge valve is opened and the batch collected.

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Above left: LCI's production scale Marumerizer Model QJ-700TG.

Above: Integrated plate lifting device.

Left: 700mm diameter spheronizer bowl with cover.

Below: Formation of the spheronizer's "twisting rope".



Marumerizer Model QJ-700TG Dimensions (shown in mm)

Weight: 1200kg

