

Twin worm gears in special construction for the laminating plant MENES 1.0 of company König

Watt Drive and the company König Maschinen Gesellschaft m.b.H. connect a very narrow technical and business relation since its existence. Watt Drive drives thus are a mainly propelling factor in the bakery industry. Delivery ranges from serial drives to, like in this case, specialised drives, which are designed according to the customer's requirements. They are used in the newly developed laminating plant MENES 1.0 as the main drive component for the twin satellite head. Based onto the gear modular system MAS[®] Watt Drive excels as a flexible, quality orientated partner of the industry ...



MENES 1.0 (Picture 1).

The newly developed MENES 1.0 displays a milestone in laminating technology. The great difference to the usual satellite technology with standard cylindrical rollers lies within the twin satellite head, which reduces the heavy mechanical load to a minimum and largely forestalls dough tension.

Through the construction of two, one above the other positioned, satellite roller heads "TwinSat - principle" (Picture 3), it is possible to produce almost tension-free dough. The satellites thereby rotate with nearly the same circumferential speed opposite to the planets. The dough can be cut, formed and processed after the rolling out without proofing.

Advantages:

- Dough structures are not shifted, no shear stress is created, fermentation gases stay in the dough.
- The dough is pressed rapidly in serial by the counter-active movement and thus moves unstressed into production direction.
- The speed of the planets and satellites can be varied and thus optimally adjusted to dough consistency and production speed.

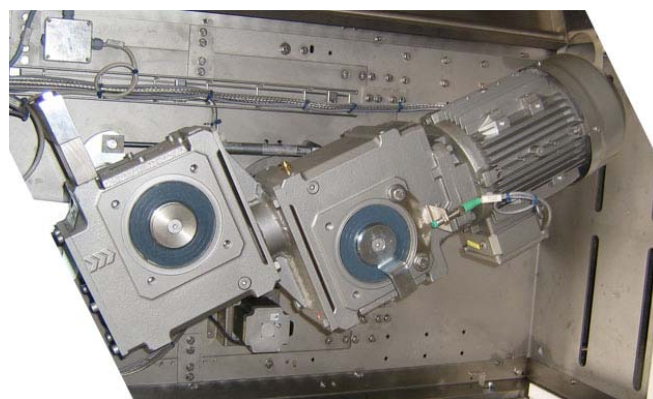


Picture 1: Laminating plant MENES 1.0

The choice of the most advantageous plant concept for the customer is done at the company König to the soonest possible point of time, to fully show off the advantages of the combination talent MENES 1.0.

WATT gear SUA 608A/608A 114M4 (Picture 2):

The combined drive unit consists of a helical worm geared motor with a built-on worm drive. The connection of both worm shafts is ensued with an elastic connect coupling, both gears have separate oil chambers.

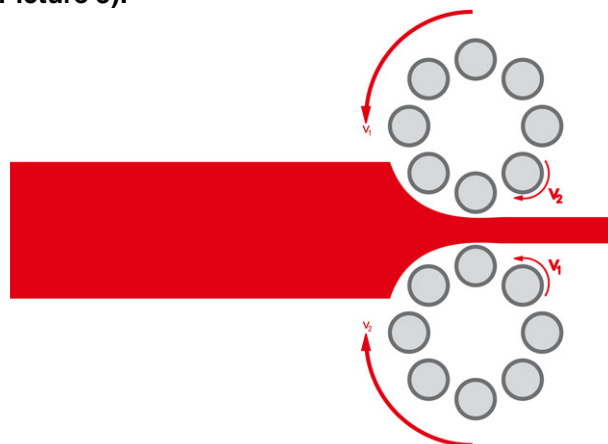


Picture 2: Twin worm gear SUA 608/608

Technical data of the drive:

Size: SUA 608A/608A 114M4
 Power: 4 kW
 Torque: 220 Nm

Satellite roller heads "TwinSat - principle" (Picture 3):



Picture 3: TwinSat - principle

For further information concerning the WATT product programme please visit our website www.wattdrive.com.