

## Conditioners / Mixers / Humidifiers

The RULA conditioners are of a robust design and require very limited maintenance.

The dry ash is fed into the unit continuously and sprayer with water introduced by means of high pressure nozzles. Efficient mixing, at a high rate, is achieved due to the unique design and the angle of the blades to the shaft as well as the arrangement of nozzles. The nozzle spray overlaps, resulting in a uniform distribution of water, thus preventing any material build-up inside the conditioner.

Optimum proportioning of water quantity and dry ash throughput is achieved by the installation of a flow meter and by adjusting the Water Flow Control Valve.

Without compromising material flow principles we will design a system to suit the clients requirements.

### Types Manufactured

RULA have manufactured several different conditioners with capacities ranging from 30 t/h to 350 t/h

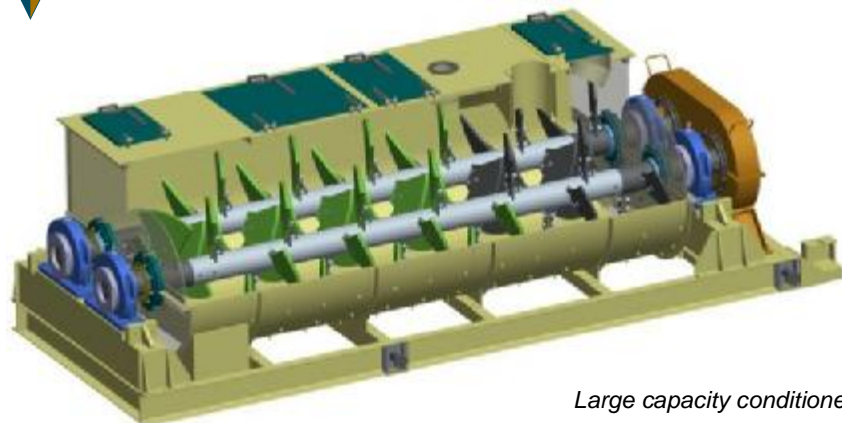
### Design Features

- An unique low maintenance ash conditioner shaft seal has been developed complete with a shaft wear sleeve to safeguard the shaft against wear
- Paddles made from UHMWPE resulting in improved working life and limited wear
- The UHMWPE paddle ensures minimum material build-up to the blades
- The UHMWPE lining of the trough will safeguard the trough against corrosion, wear and material build-up

### Operating & Maintenance

- The conditioners are Operator and Maintenance friendly with a complete range of replacement spares
- A complete Operating & Maintenance manual is available

### *Detailed View of the shafts and Paddles*



Large capacity conditioner ▶

Ash Conditioning Plant ▼



Paddle & Nozzle arrangement ▼



Two 200 T/h conditioners ▼

