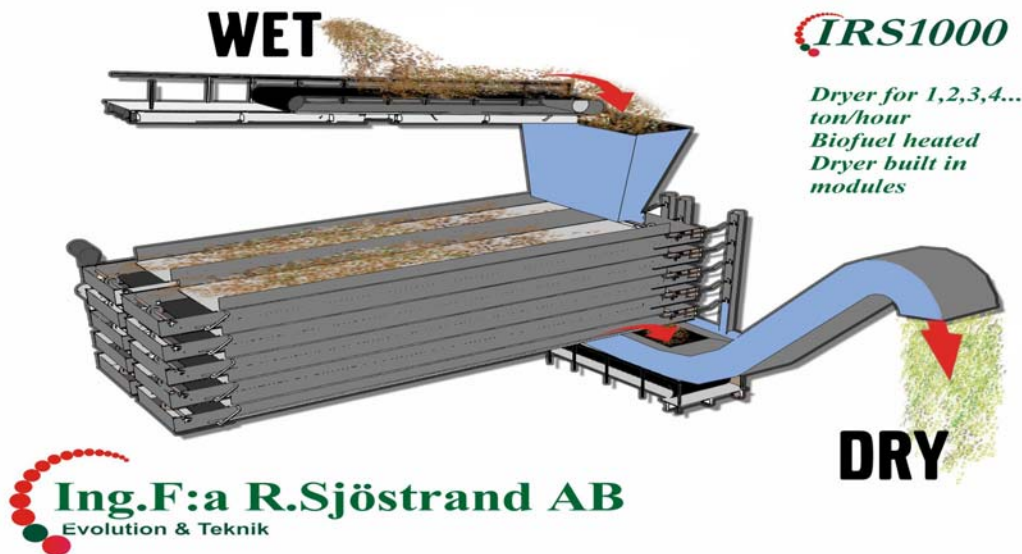


Description of dryer and feeding system



- The dryer consists of at least 5 ea separate cells (=1 block) were each block divides into 2 layers and has a drying surface of 9m².
- Each cellblock contains 180 l of thermic oil and is possible to close from the rest of the system or regulate the flow through it with manually set valves and a flow indicator.
- When temperature of the oil into the dryer reaches above 140°C the dryer starts in automatic mode and cannot be stopped until it gets below 100°C by safety reason.
- **Material is feed into the dryer by a** frequency controlled **rotary valve** that has a buffer silo which is automatically refilled from outer source when the sensor in this hopper calls for more material.
- The rotary valve is to be adjusted to get the right thickness of the layers inside of the dryer.
- **The dryer moves the material over a flat bed heated surface** with chain driven wooden scrapers. The material moves to the end, it drops to the next layer and the same procedure continues until it reaches the outgoing conveyor.
- **Material is falling into an evacuating conveyor** that transports material to a silo.
- **Humidity of the dried material is measured** at the outgoing conveyor.
- Depending on humidity of the measured material, the dryer will automatically speed up or down to keep the preferred value of humidity of the outgoing material.
- **A fan is evaporating the humid air and steam**
- A fire alarm sensor is attached on the outgoing conveyor, and is detecting smoke.