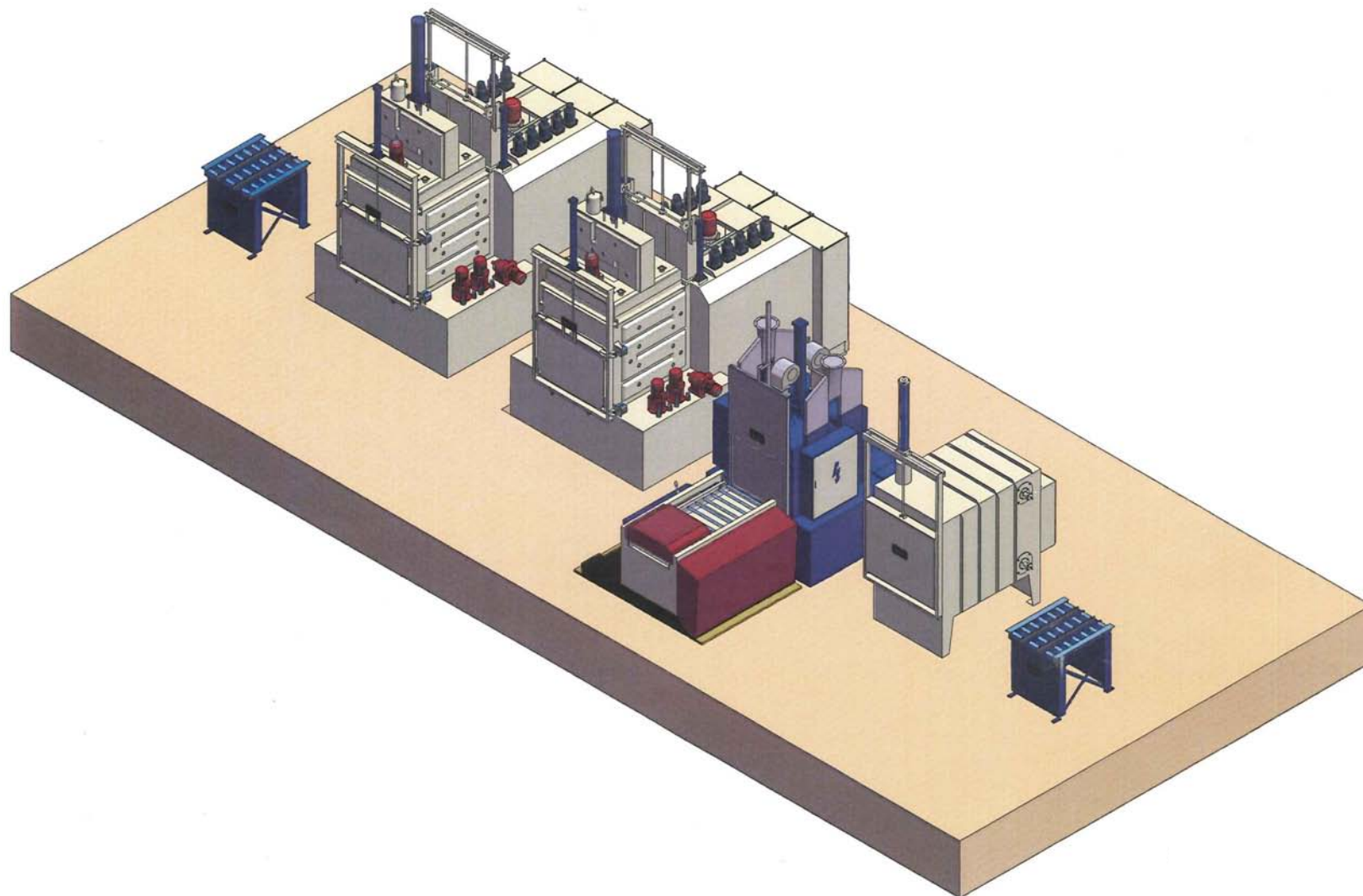




Ipsen Batch Type Atmosphere Furnaces

Typical Batch Furnace layout with companion equipment



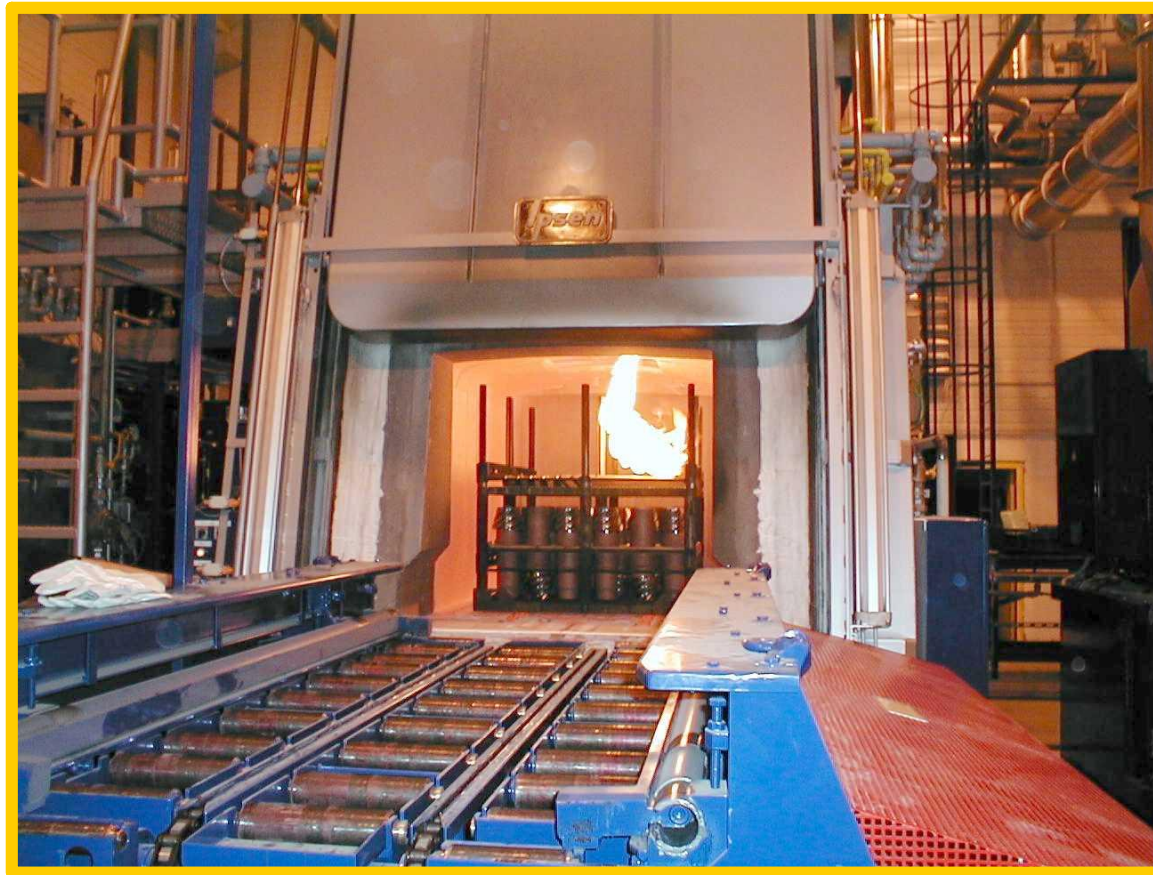
Ipsen Batch Type Atmosphere Line



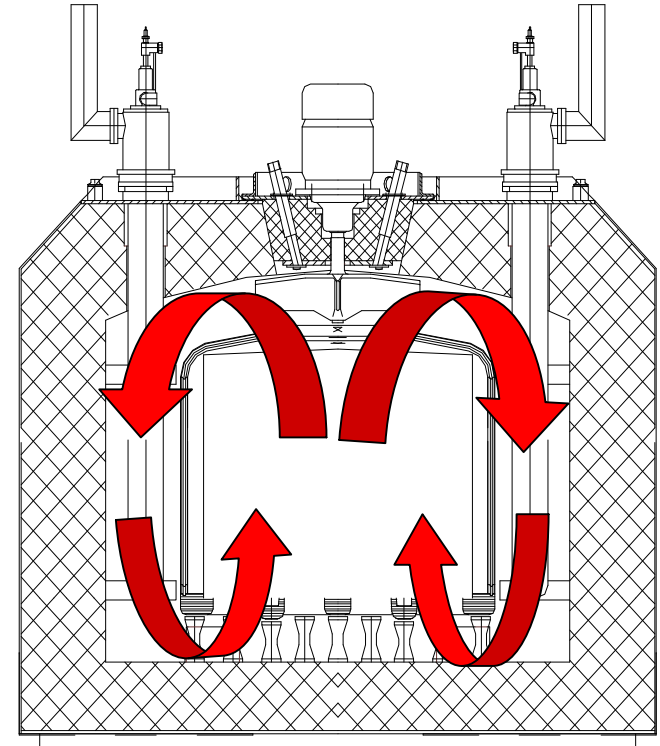
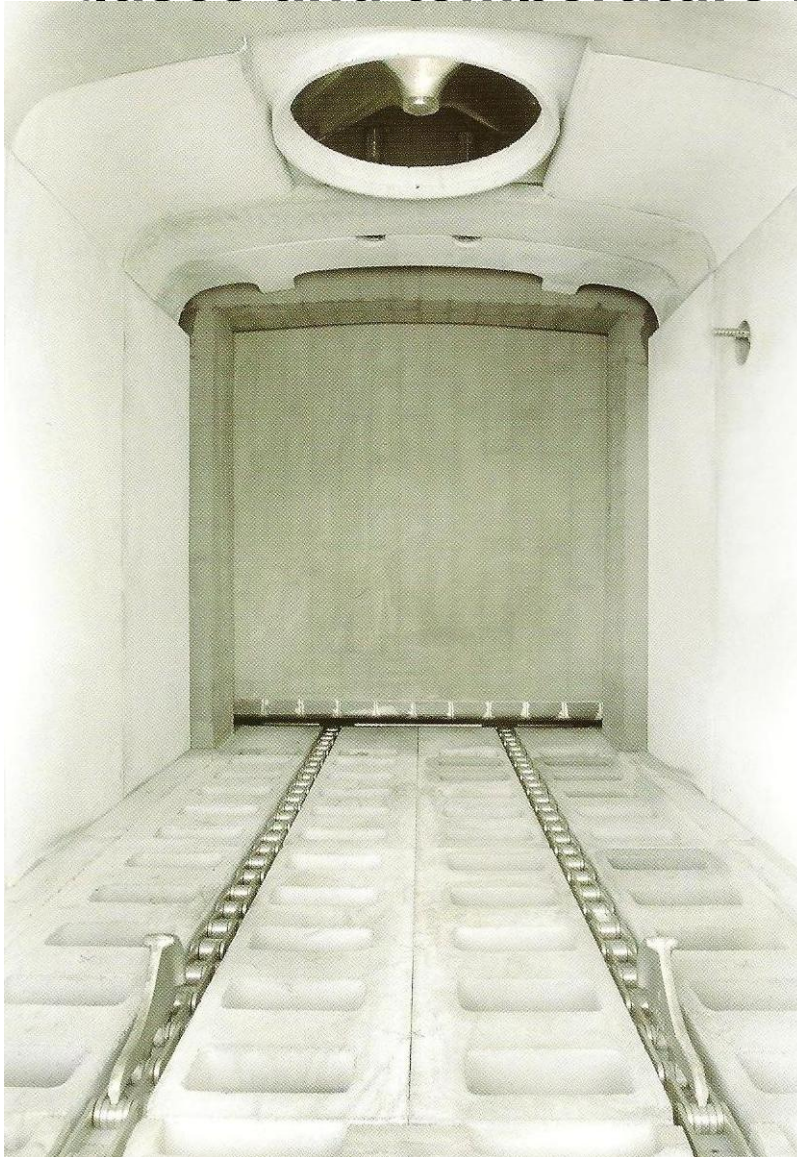
Ipsen – Batch Type Atmosphere Furnace Systems



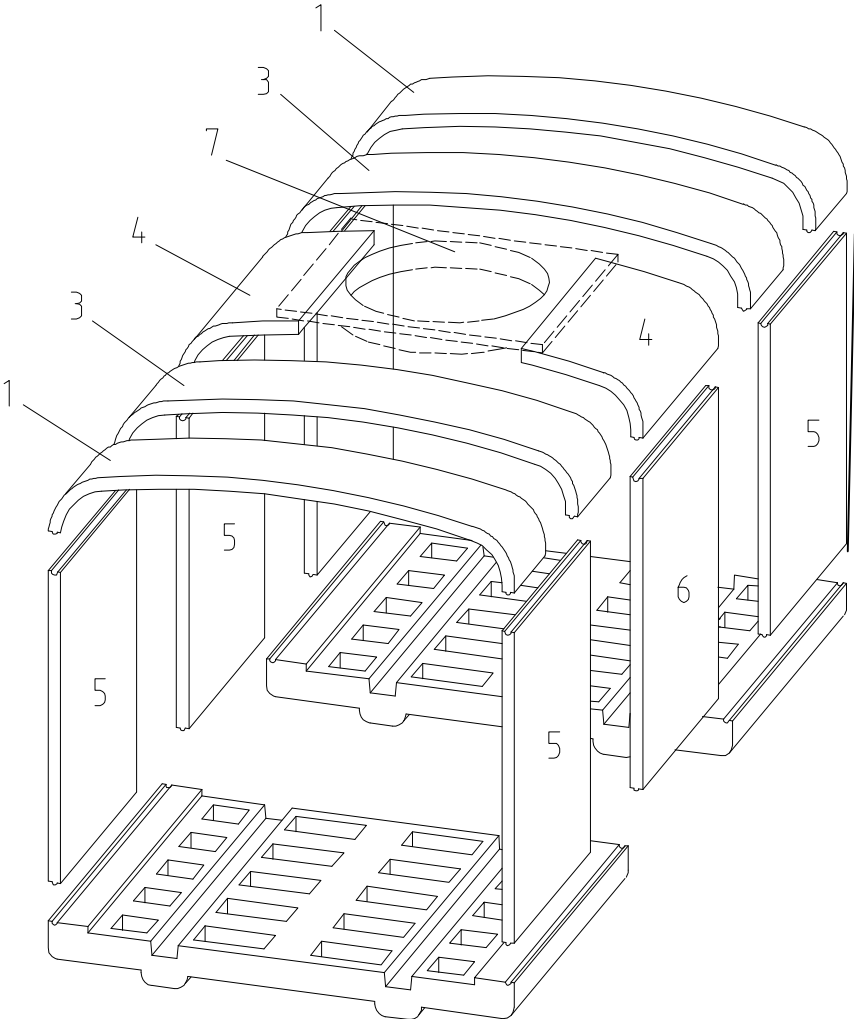
Ipsen Furnaces – In- out or Straight-Thru Systems



Ipsen – Ceramic Muffle and Fan for superior uniformity of gases and temperature in the heating chamber.



Ipsen Ceramic Muffle



IPSEN SuperQuench®: New Oil Quench System

Super Quench design use larger agitator wheels and motors with more than:

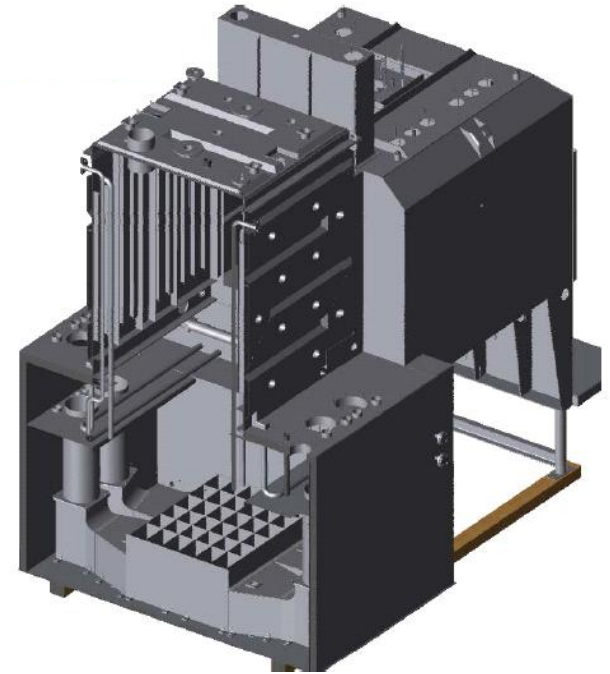
- Twice the power
- Four times higher flow velocity

Higher oil velocities improve:

- Heat extraction
- Prevent and reduce the vapor phase

Agitator are equipped with variable frequency controllers and provide the possibility to:

- Control the cooling rate
- Flexible programming of the quench cycle

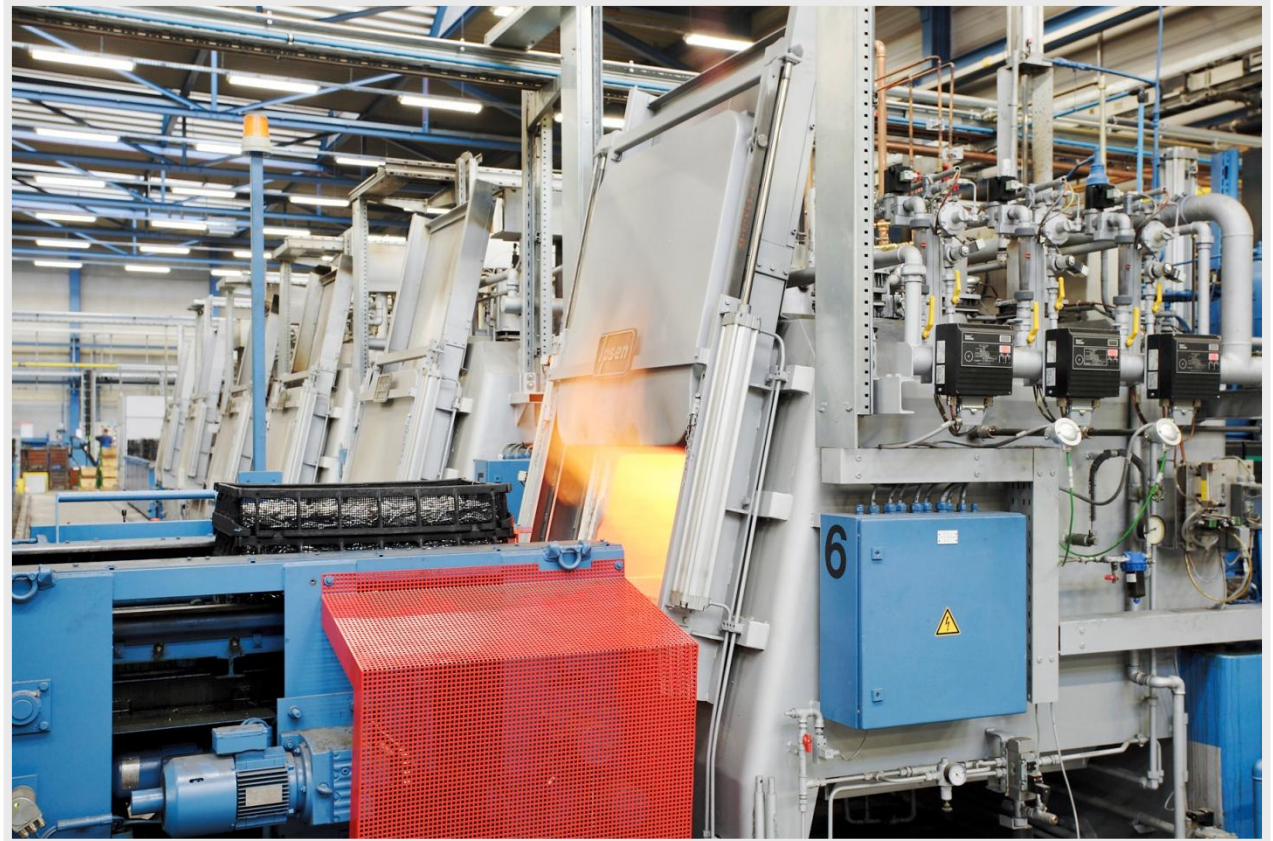


Ipsen - New Rear Door Design on Straight-Thru Furnace



Batch type furnaces –Electrically heated or Gas-fired

- Loading of a batch type furnaces with automated charge car.



IPSEN - Multi Purpose Atmosphere Furnaces

Manufacturing Cells – Fully Automated Systems



