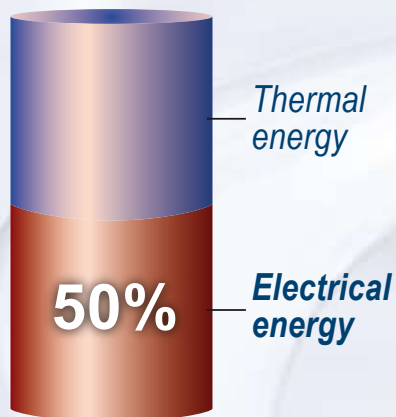


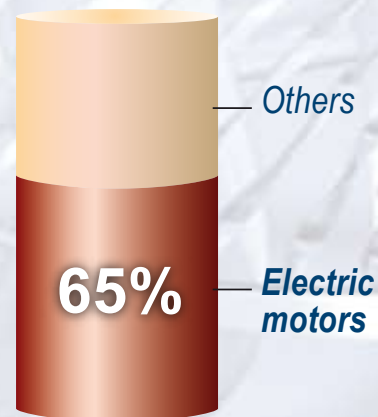
# CHEMICAL & PHARMACEUTICAL INDUSTRY

## Energy saving - the challenge

Breakdown of energy consumption on a production site



Electric motors as a proportion of the total electricity consumption



**MAXIMIZING THE RATE OF PRODUCTION\***

\*Tonnes/hour (constant kWh)

Productivity at its peak



## CHOICE OF SOLUTIONS



## DYNEO SOLUTION

Example: grinder



**DYNEO solution**  
Frame size 280 mm  
3000 min<sup>-1</sup> / 220 kW / 426 kg



*Original motor*  
Frame size 355 mm  
2-4P / 220 kW / 1750 kg

### ECONOMIC BENEFITS

- Productivity up by more than 20%
- Energy savings over the whole cycle at full load and at no load
- Faster natural deceleration of the grinder
- Reduction in the frequency of lubrication
- Ease of handling, reduced chassis size
- Ease of integration in cramped spaces

### ENVIRONMENTAL BENEFITS

- Energy savings: 480,000 kWh/year
- TOE\* saved: 120 TOE/year
- CO2 saved: 48 tonnes/year
- More than 30,000 Euros/year saved on energy bills (pre-mixing process)
- Payback period: 14 months

*\*Tonnes of Oil Equivalent*

