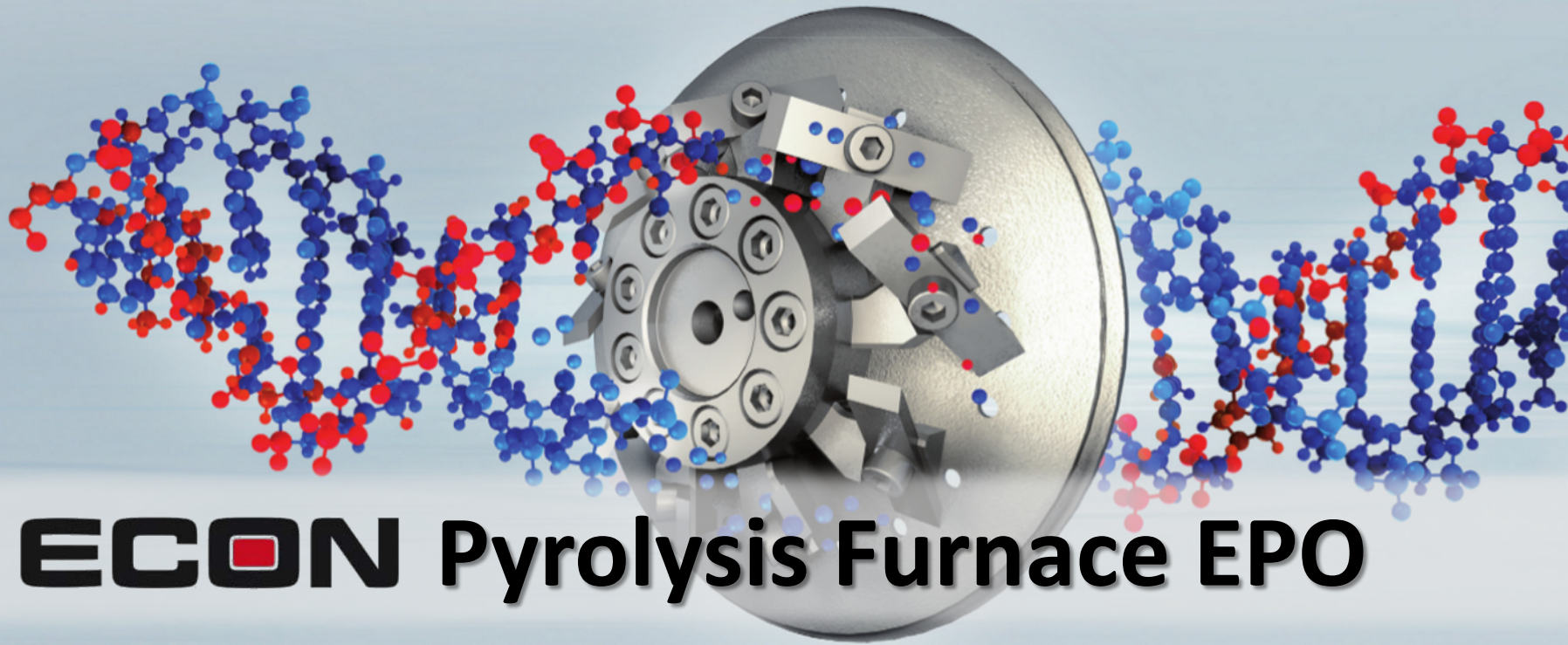


PELLETIZING
IS IN OUR DNA



ECON Pyrolysis Furnace EPO

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Test run for
Peab Asfalt AB
Jan. 17, 2017



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SITUATION

- removal of different types of bitumen from glass jars
- the test run was done with EPO 300

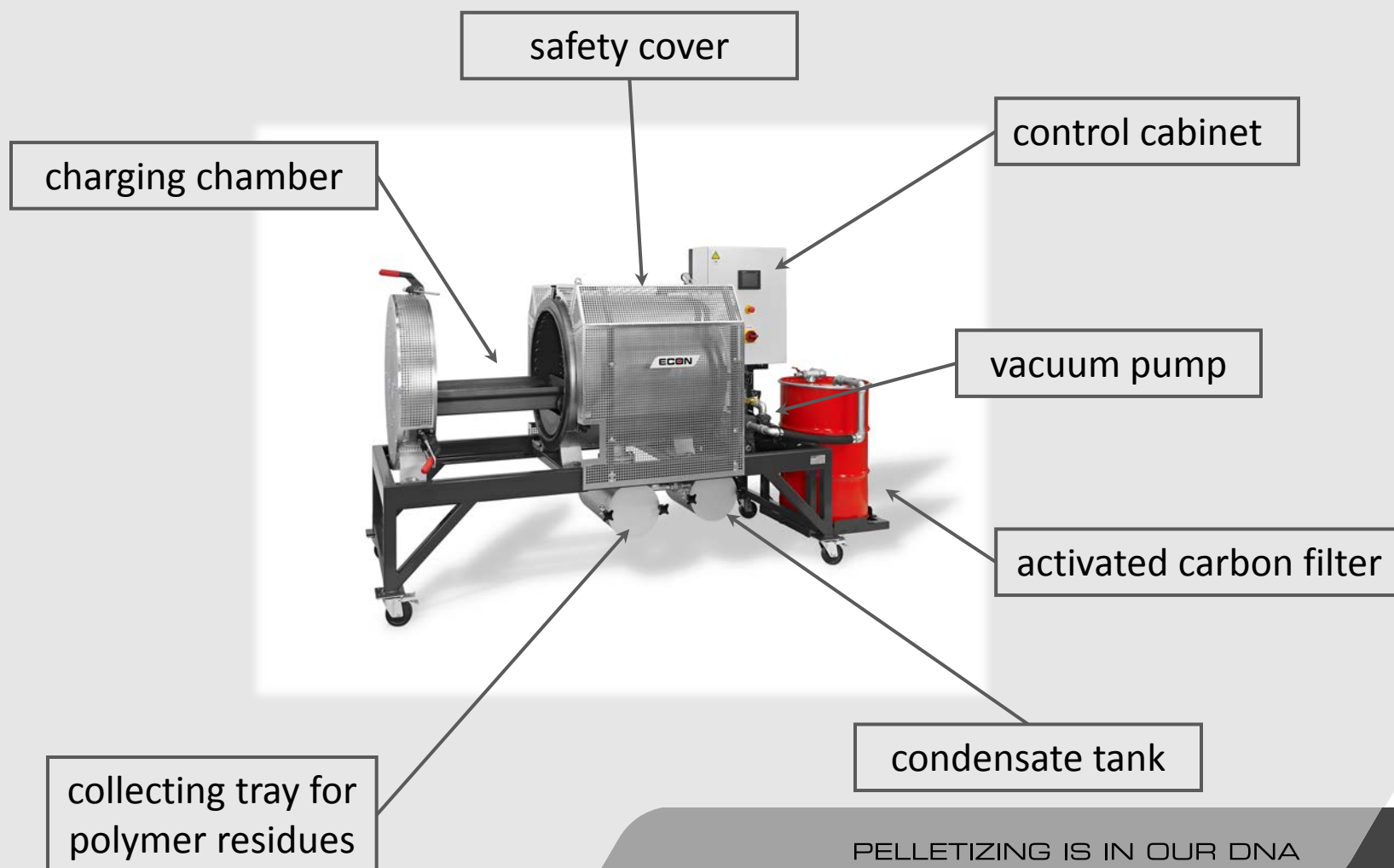


Pyrolysis Furnace	Charging Chamber	Charging Height	max. Load
EPO 100	Ø 210 x 260 mm	725 mm	100 kg
EPO 300	Ø 280 x 580 mm	900 mm	300 kg
EPO 600	Ø 360 x 680 mm	900 mm	600 kg
EPO 1200	Ø 440 x 780 mm	1,100 mm	1,200 kg
EPO 1500	Ø 620 x 1,600 mm	1,100 mm	1,500 kg
EPO 1800	Ø 900 x 1,600 mm	1,150 mm	1,800 kg

PERFORMANCE AND ADVANTAGES EPO

- gentle removal of thermoplastic materials and mixed plastics
- extended lifetime of tools and filter parts
- environmental safety, TÜV-certificate
- easy handling and highest reliability
- low-maintenance, oil lubricated vacuum pump
- no process water necessary
- no emissions because of activated carbon filter

DESIGN EPO



Charging Chamber



Collecting Tray and Condensate Tank

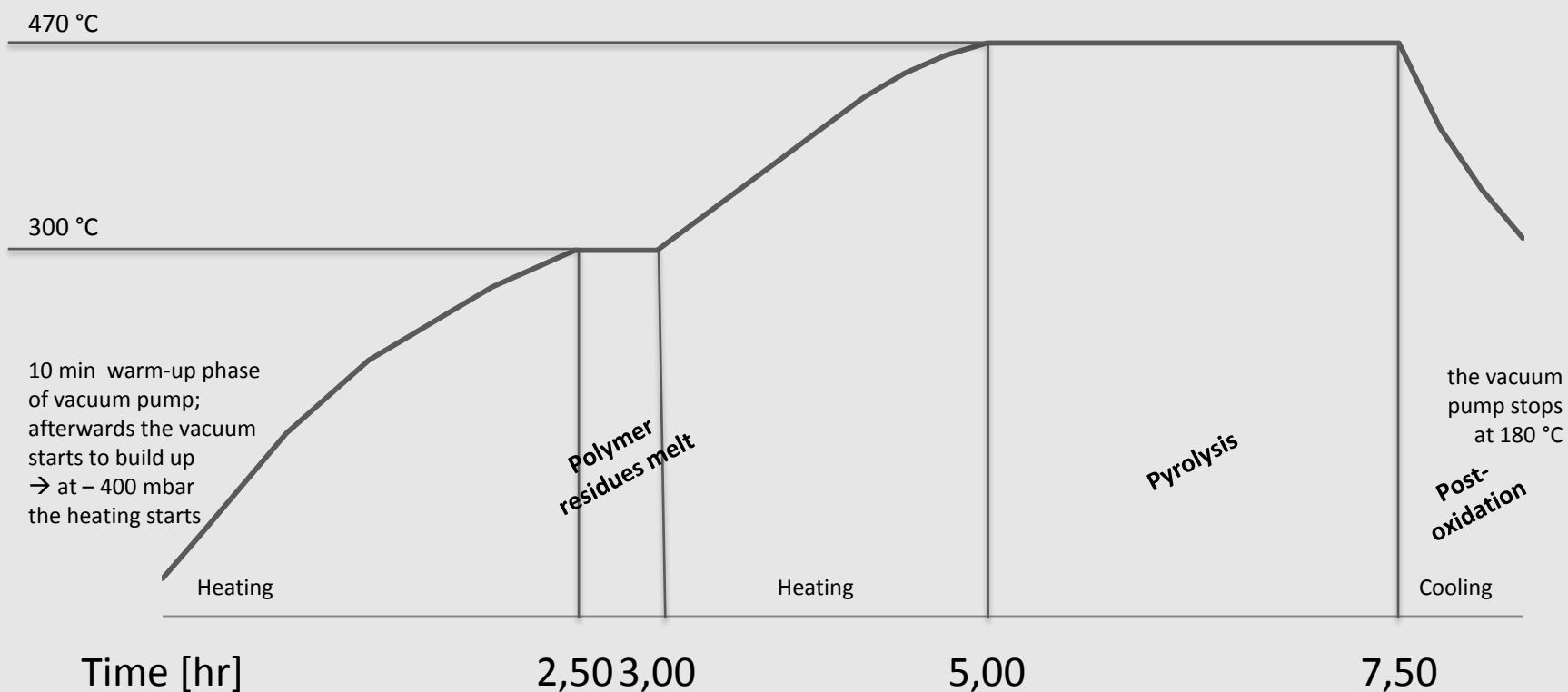


CLEANING CYCLE



CLEANING CYCLE

Rough diagram of the applied cleaning cycle.



RESULTS

The next day in the morning the furnace was opened to see the results. The bitumen residues were removed during pyrolysis. Just a little bit of ash remained.



RESULTS

The ash is loose and can be removed easily. Some jars show a little yellowness, but no bitumen residues are left.



before



after

