

## Melchiorre ELC Grinding machines

The Melchiorre ELC series (Electronic-Logical Control), double-sided machines, are best suited for components demanding high levels of parallelism, thickness and flatness. Typically, these machines can grind to tolerances of:

- +/- 1 micron thickness,
- flatness 0.5 micron,
- parallelism 1 micron
- with surface finishes as fine as  $Ra < 0,10$  micron.

### **Specifications**

#### **ELC400**

OD wheel	398mm
Max diameter workable part	119mm
Upper and lower wheel drives (each)	3.0kW
Max load pressure	250 DaN

#### **ELC500**

OD wheel	508mm
Max diameter workable part	132mm
Upper and lower wheel drives (each)	5.5kW
Max load pressure	300 DaN

#### **ELC600**

OD wheel	650mm
Max diameter workable part	175mm
Upper and lower wheel drives (each)	9.2kW
Max load pressure	1000 DaN

#### **ELC800**

OD wheel	810mm
Max diameter workable part	236mm
Upper and lower wheel drives (each)	11kW
Max load pressure	1000 DaN

#### **ELC1000**

OD wheel	1006mm
Max diameter workable part	322mm

Upper and lower wheel drives (each)	18.5kW
Max load pressure	1200 DaN
<b>ELC1200</b>	
OD wheel	1230mm
Max diameter workable part	494mm
Upper and lower wheel drives (each)	22.0kW
Max load pressure	1500 DaN
<b>ELC1600</b>	
OD wheel	1554mm
Max diameter workable part	600mm
Upper and lower wheel drives (each)	30.0kW
Max load pressure	3000 DaN
<b>ELC2000</b>	
OD wheel	1910mm
Max diameter workable part	708mm
Upper and lower wheel drives (each)	45.0kW
Max load pressure	4000 DaN