

# CERMA : MACHINES' LIST 2019

| <i>Machines' Type</i>   | <i>Machinings' ranges- notes</i>                                      | <i>how many</i> |
|---|---|-----------------|
| <i>CNC Swiss type authomatic lathes</i>                                       | Bar capacity from d. 5 to d. 50<br>Bar lenght from L. 3300 to L. 5400 | 14              |
| <i>CNC Turning Centers from bars</i>  | Bar Capacity from d.10 to d. 70<br>Bar Lenght from L. 3300 to L.6000  | 6               |
| <i>CNC Lathes Turning Centers</i>   | Max Diameter D. 300<br>Max Lenght L.600                               | 3               |
| <i>CNC Lathes centers with guiding steady</i>                                 | Robot enslavement   | 5               |
| <i>High precision lathes for hard turning</i>                                 | Max Diameter D.150  | 5               |
| <i>Vertical Machining centers (ISO 40) 2-station rotating pallet system</i>   | Continuous table (4th. Axis)  | 1               |
| <i>Horizontal machining centres (ISO 40) 2-station rotating pallet system</i> | With 4th. Axis  | 3               |
| <i>CNC grinding machines</i>  | Max Diameter D. 100<br>Max Lenght L. 1000                             | 3               |
| <i>Centerless grinding size 150 – 200 – 250</i>                               | Max Diameter D. 100<br>Max Lenght L. 700                              | 5               |
| <i>Hobbing machine</i>  |   | 1               |
| <i>Gear Shapping machine</i>  |   | 1               |
| <i>Vertical Slotting machine</i>  |   | 1               |
| <i>Broaching machine</i>  |   | 1               |
| <i>Marking machine</i>  |   | 4               |
| <i>Tumbling Machines</i>  |   | 3               |
| <i>Finishing machines for cylindrical surfaces</i>                            |   | 1               |
| <i>Washing Machine</i>  | High tech washing system with ultrasonic modified Alcohol             | 1               |