Switch on the plant

1. Turn the key switch on 1

2. Touch the screen

3. Log in with user name and password
   3.1
   3.2
   3.3
   3.4
3.5 Referencing axes

3.6 Select the Coating mode

4. Referencing axes

5. Select the Coating mode

6. This mask is displayed

CM30 Start-up

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Switch on the plant
On the OptiCenter

7. Put the powder bag into the FP cone, place the cover and insert the FP lance

8. Select the Waste powder mode

9. Confirm the RP hose position

!!Caution!!
In Waste powder mode only fresh powder is used.
There is NO powder recovered!
It is imperative to switch to the Recovery mode after a certain period!
Switch off the installation

1. Exit the Cleaning mode
2. Press the Standby key
3. Exit Standby
4. Press the Exit key
5. Turn the key switch on 0
Color change / Cleaning mode

On the CM30 panel

1. Exit the Coating mode

2. Select the Cleaning mode

3. Close the doors

4. Position "Hose cleaning"

5. Rinse the powder hose shortly

6. Coarse cleaning of the booth
On the OptiCenter

7. Exit the Coating mode

8. Select the Cleaning mode

9. Select the cleaning possibility

10. Put the fresh powder lance in the park position

11. Move the FP cone under OptiSpeeder

12. Press the “Emptying OptiSpeeder” key 2x
13. Move back the FP cone

14. Change the recovery hose position

15. Confirm

16. The sequence continues to run automatically

17. Wait until this mask is displayed

18. Clean the OptiSpeeder, place the cover
19. Connect the RP hose to the "Cleaning" connection

20. Confirm

21. Remove powder bag, clean the OC thoroughly

22. Fine booth cleaning

23. Clean the ducting

24. Clean and remove the sieve
25. Start recovery hose cleaning

26. Clean the cone

27. Clean the cyclone, use only one nozzle at the time

28. Insert the sieve and close the cyclone

29. Place the bag with new color, connect the RP hose to the "Waste" connection

30. Exit the Cleaning mode
31. Select the "Spray to waste" mode

32. Confirm the RP hose position

33. Open the doors

34. Exit the Cleaning mode

35. Return to the Coating mode
Main menu

Close / open automatic doors

Access to axes and guns parameters

Access to all programs

Start / stop conveyor simulation

Manual operating mode only: Start / Stop guns, axes

Object recognition object present / no object

Current operating mode

Acknowledge the alarm

Active coating program

User log in / log out

Conveying speed

Increase or reduce powder output per station

Legend:
- Status active, in motion
- Status passive, stopped
- Error, malfunction
- Additional function available

Current error with number

Active coating program

008 Bereichüberschreitung Förderluft
101 Fehler Pistole 1 in Station A

Call up programs to change them locally
## Guns settings

### PISTOLENPARAMETER

| OBJEKT: 0 | ZEIT: 15:55 | DATUM: 10.10.2015 |

<table>
<thead>
<tr>
<th>Gun parameter</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Value 3</th>
<th>Value 4</th>
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<tbody>
<tr>
<td>A 01</td>
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<td>7.0</td>
<td>100</td>
<td>40</td>
</tr>
<tr>
<td>2 A 02</td>
<td>80</td>
<td>5.0</td>
<td>100</td>
<td>40</td>
</tr>
<tr>
<td>3 B 01</td>
<td>100</td>
<td>5.0</td>
<td>100</td>
<td>40</td>
</tr>
<tr>
<td>4 B 02</td>
<td>80</td>
<td>5.0</td>
<td>100</td>
<td>40</td>
</tr>
</tbody>
</table>

- **Powder output**
- **Total air**
- **High voltage**
- **Spray current**
- **Electrode rinsing air**
- **Guns ON / OFF before, in and after the object**

- **Access to axes parameters**
- **Changes per station or all stations**
- **Acknowledge error**
- **Error description**
- **Access to all coating programs**
- **Save changes**
- **Exit screen**

---

**Error number**

- **A**ccess to axes parameters
- **Changes per station or all stations**
- **Acknowledge error**
- **Error description**
- **Access to all coating programs**
- **Save changes**
- **Exit screen**

**Gun deactivated**

**Gun activated**

**Gun does not spray powder**

**Gun sprays powder**

**Access to powder output correction (Manual operating mode only)**

---

**CM30 Start-up**

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Guns settings
### Axes settings

<table>
<thead>
<tr>
<th>Reference axis (after error)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Axis deactivated</th>
<th>Axis activated</th>
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</table>

<table>
<thead>
<tr>
<th>Current position</th>
<th>Error number</th>
<th>Sprühabstand [cm]</th>
<th>Vorlauf [cm]</th>
<th>Nachlauf [cm]</th>
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<tbody>
<tr>
<td><strong>X</strong></td>
<td><strong>Z</strong></td>
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<td>2</td>
<td>3</td>
</tr>
<tr>
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<td><strong>Z</strong></td>
<td>20</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td><strong>A</strong></td>
<td><strong>X</strong></td>
<td>0</td>
<td>10</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td><strong>Z</strong></td>
<td>20</td>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td><strong>X</strong></td>
<td>20</td>
<td>10</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Approximate spraying distance (controlled by object width recognition)**

**Start / Stop axes before and after the object**

**Access to guns parameters**

**Acknowledge error**

**Error description**

**Access to all coating programs**

**Save changes**

**Exit screen**

**Current program**

**Upper reversing point**

**Lower reversing point**
Schematic Powder Circuit