Switch on the plant

1. Turn the key switch on

2. Touch the screen

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

3.6  
5. Select the Coating mode

6. This mask is displayed

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
   - Exit the Coating mode on the CM30 panel.
2. Select the Cleaning mode
   - Select the Cleaning mode on the CM30 panel.
3. Close the doors
   - Close the doors on the CM30 panel.
4. Position "Hose cleaning"
   - Position "Hose cleaning" on the CM30 panel.
5. Rinse the powder hose shortly
   - Rinse the powder hose shortly on the CM30 panel.
6. Coarse cleaning of the booth
   - Coarse cleaning of the booth on the CM30 panel.
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

On the CM30 panel

33. Open the doors

34. Exit the Cleaning mode

35. Return to the Coating mode
Main menu

- Close / open automatic doors
- After Filter
- Access to axes and guns parameters
- Start / stop conveyor simulation
- Start / Stop guns, axes
- Object recognition: object present / no object
- Current operating mode
- Acknowledge the alarm

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

Current error with number:
008 Bereichüberschreitung Förderluft
101 Fehler Pistole 1 in Station A

Call up programs to change them locally

Active coating program
User log in / log out
Conveying speed
Increase or reduce powder output per station
### Guns settings

<table>
<thead>
<tr>
<th>OBJEKT: 0</th>
<th><strong>PISTOLENPARAMETER</strong></th>
<th><strong>ZET: 15:55</strong></th>
<th><strong>DATUM: 10.10.2015</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current program</strong></td>
<td><strong>Gun deactivated</strong></td>
<td><strong>Gun activated</strong></td>
<td><strong>Error number</strong></td>
</tr>
<tr>
<td><strong>Gun</strong></td>
<td><strong>deactivated</strong></td>
<td><strong>activated</strong></td>
<td><strong>A 01</strong></td>
</tr>
<tr>
<td><strong>Powder output</strong></td>
<td><strong>Total air</strong></td>
<td><strong>High voltage</strong></td>
<td><strong>Spray current</strong></td>
</tr>
<tr>
<td>1</td>
<td>A 01</td>
<td>100</td>
<td>7.0</td>
</tr>
<tr>
<td>2</td>
<td>A 02</td>
<td>80</td>
<td>5.0</td>
</tr>
<tr>
<td>3</td>
<td>B 01</td>
<td>100</td>
<td>5.0</td>
</tr>
<tr>
<td>4</td>
<td>B 02</td>
<td>80</td>
<td>5.0</td>
</tr>
</tbody>
</table>

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

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

**Gun does not spray powder**

**Gun sprays powder**
## Axes settings

### Current program

<table>
<thead>
<tr>
<th>Axis</th>
<th>Current</th>
<th>Error number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBJEKT:</td>
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</table>

### Upper reversing point

<table>
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<th>Axis</th>
<th>Current</th>
<th>Error number</th>
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</thead>
<tbody>
<tr>
<td>OBJEKT:</td>
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<td></td>
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</table>

### Lower reversing point

<table>
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<tr>
<th>Axis</th>
<th>Current</th>
<th>Error number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBJEKT:</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

### Axis deactivated

<table>
<thead>
<tr>
<th>Axis</th>
<th>Current</th>
<th>Error number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBJEKT:</td>
<td>0</td>
<td></td>
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</tbody>
</table>

### Axis activated

<table>
<thead>
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<th>Axis</th>
<th>Current</th>
<th>Error number</th>
</tr>
</thead>
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<tr>
<td>OBJEKT:</td>
<td>0</td>
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</table>

### Approximate spraying distance

- **Sprühabstand**: Position before and after the object.
- **Vorlauf**: Before the object.
- **Nachlauf**: After the object.

### Speed

- **Kein Auto**: Fixed position.
- **Caution!! Collision danger!!**

### Error number

1. **A Z**: 20, 0, 10, 5, 12
2. **A X**: 0, 10, 0, 20, 30, 30
3. **B Z**: 20, 0, 10, 19, 20, 20
4. **B X**: 20, 10, 0, 30, 30

### Access to guns parameters

- **Access to all coating programs**
- **Save changes**
- **Exit screen**

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**Reference axis (after error)**

**Start / Stop (Manual operating mode only)**
Schematic Powder Circuit