

# Operator Quick Guide



CM30 with OptiCenter OC02



**Gema**

Your global partner for high quality powder coating

## Switch on the plant

1. Turn the key switch on 1

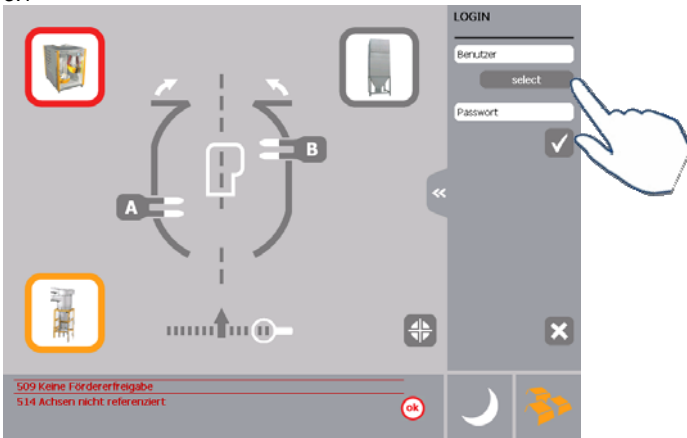


2. Touch the screen

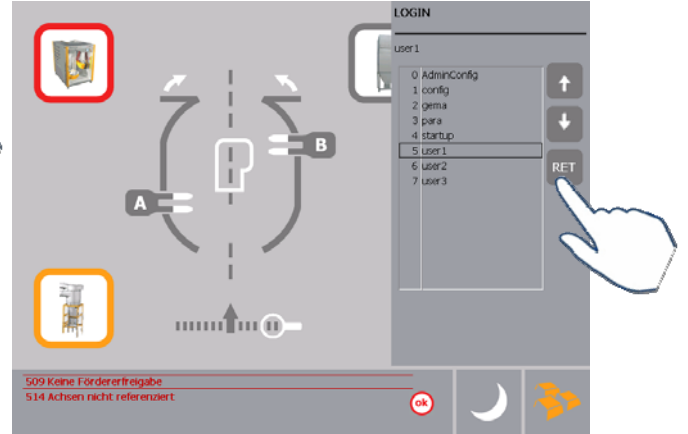


3. Log in with user name and password

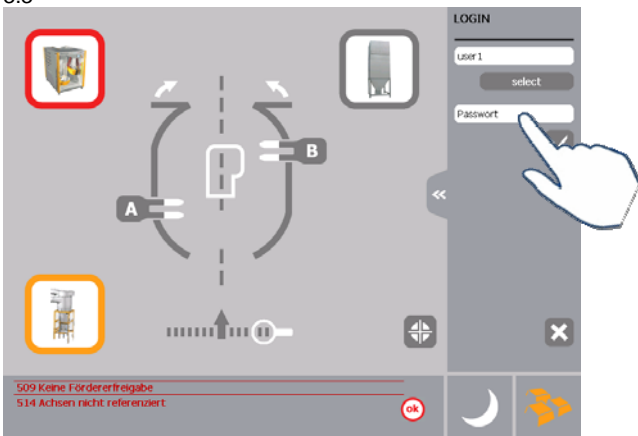
3.1



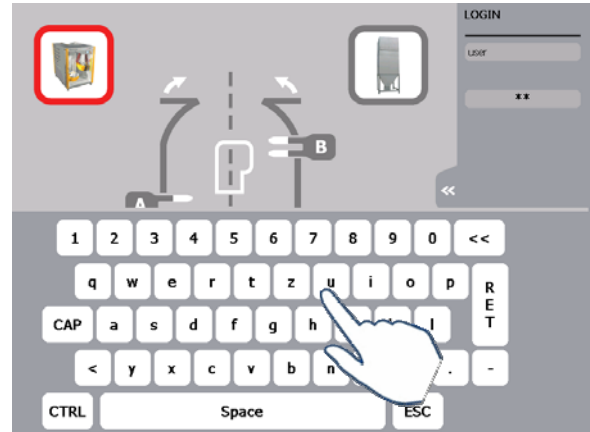
3.2



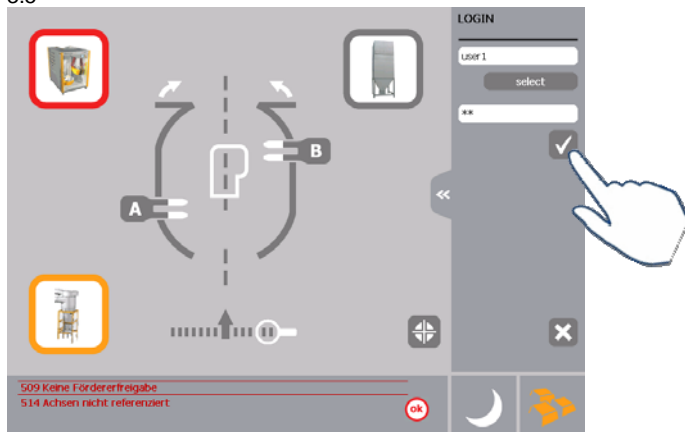
3.3



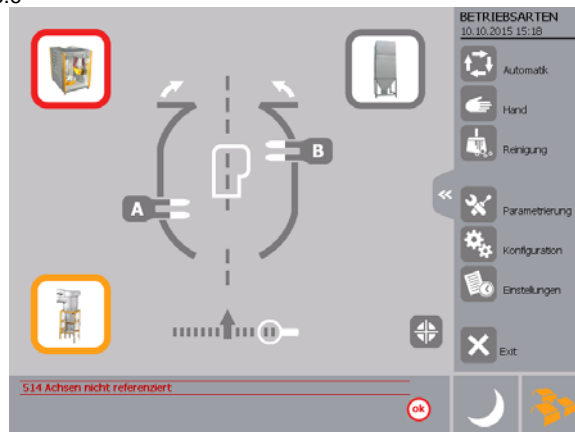
3.4



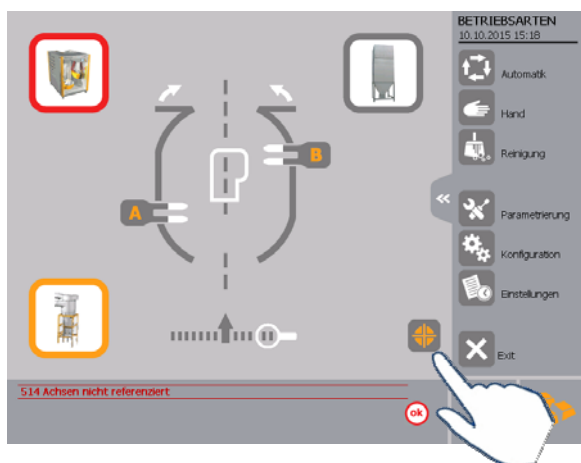
3.5



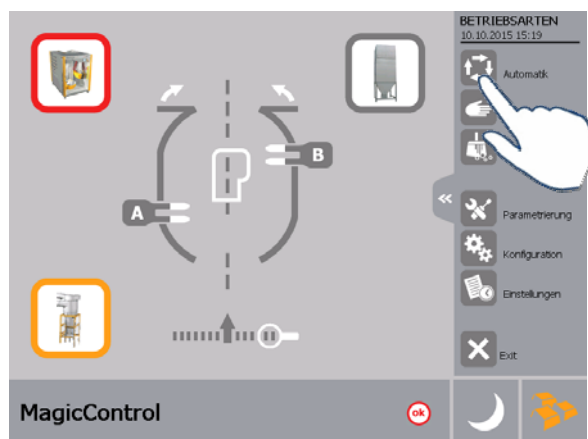
3.6



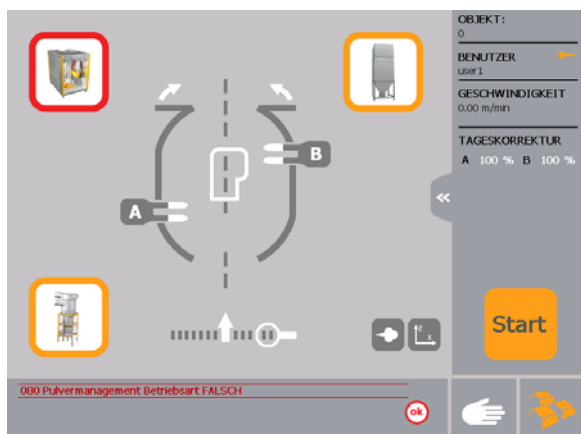
#### 4. Referencing axes



#### 5. Select the Coating mode



#### 6. This mask is displayed

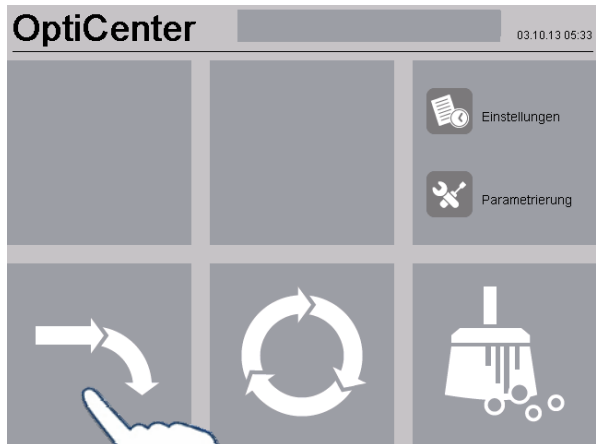


## On the OptiCenter

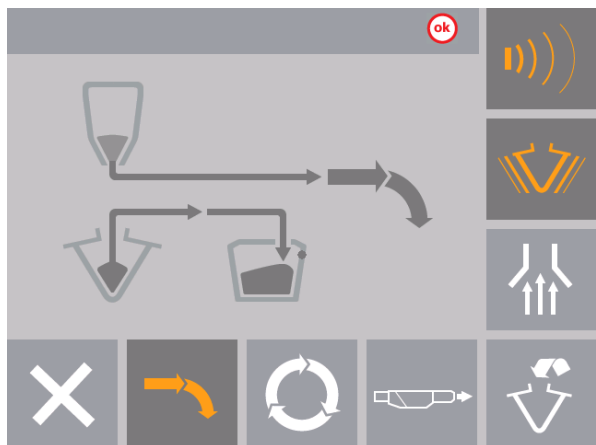
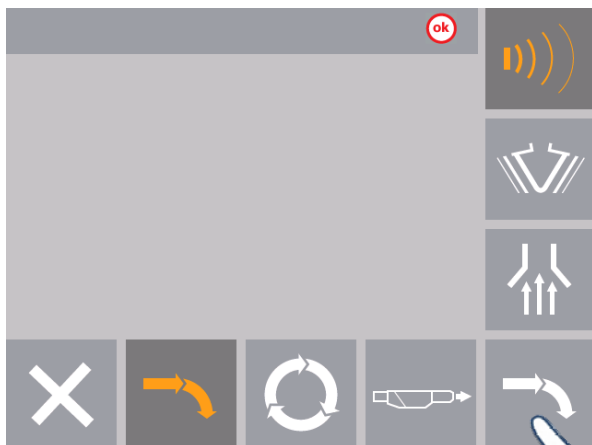
7. Put the powder bag into the FP cone, place the cover and insert the FP lance



8. Select the Waste powder mode



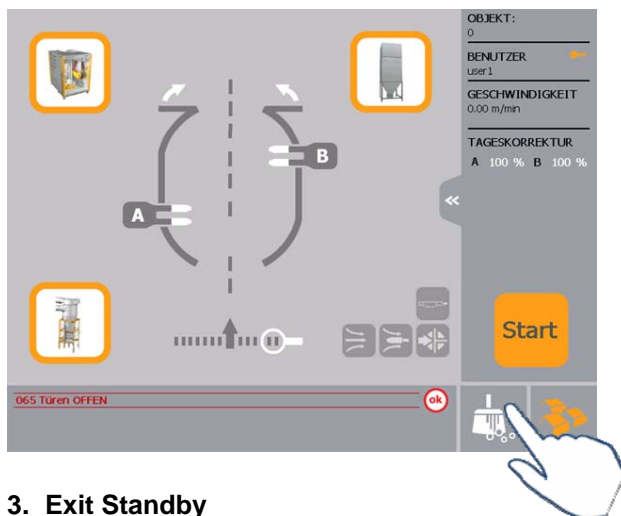
9. Confirm the RP hose position



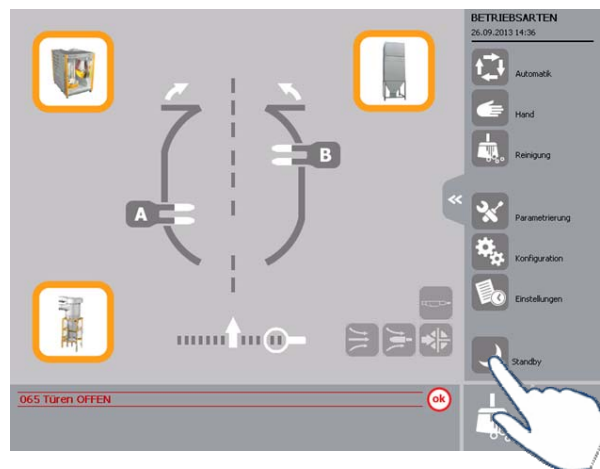
**!!Caution!!**  
**In Waste powder mode only fresh powder is used.**  
**There is NO powder recovered!**  
**It is imperative to switch to the Recovery mode after a certain period!**

## Switch off the installation

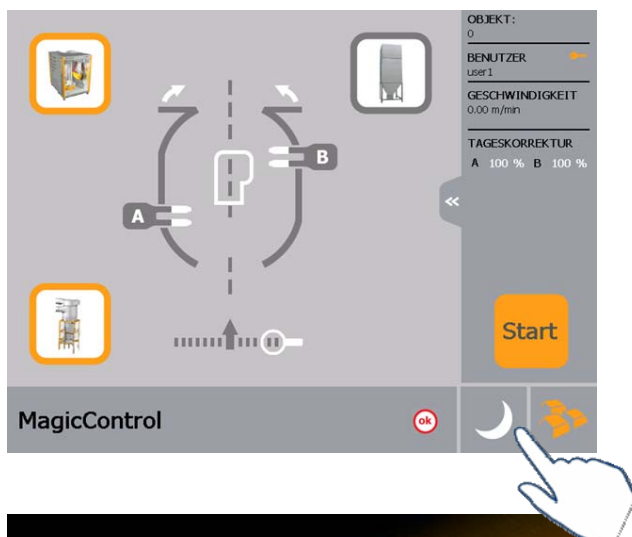
### 1. Exit the Cleaning mode



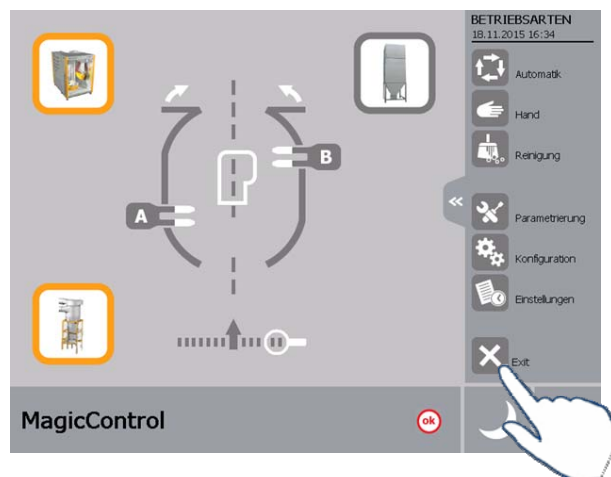
### 2. Press the Standby key



### 3. Exit Standby



### 4. Press the Exit key



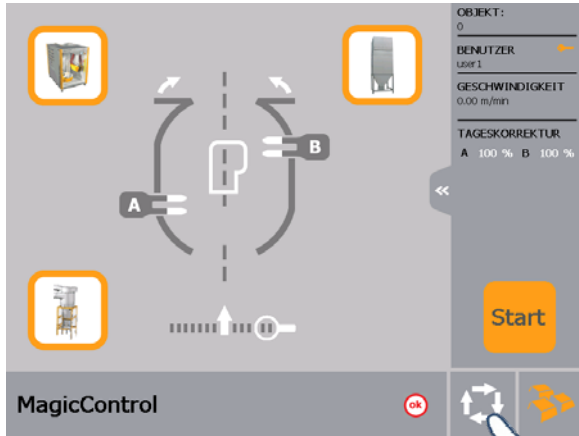
### 5. Turn the key switch on 0



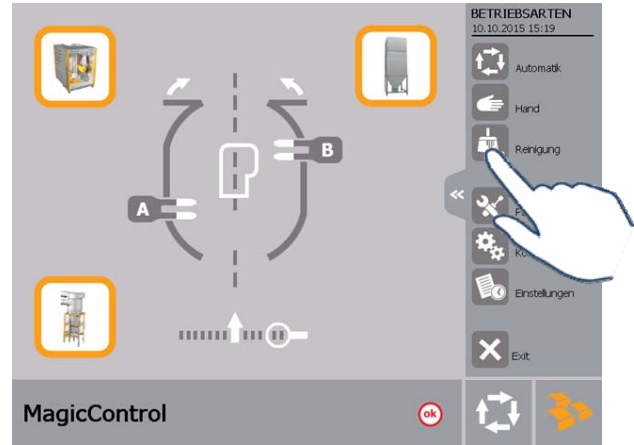
## Color change / Cleaning mode

### On the CM30 panel

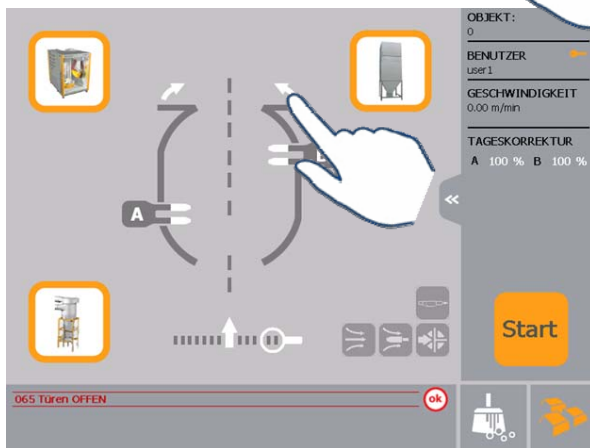
#### 1. Exit the Coating mode



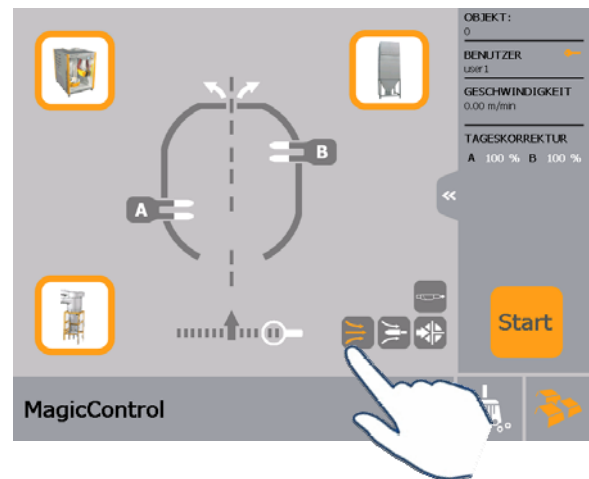
#### 2. Select the Cleaning mode



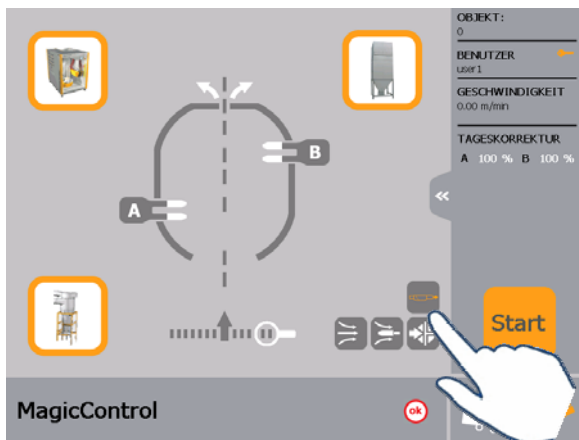
#### 3. Close the doors



#### 4. Position "Hose cleaning"



#### 5. Rinse the powder hose shortly

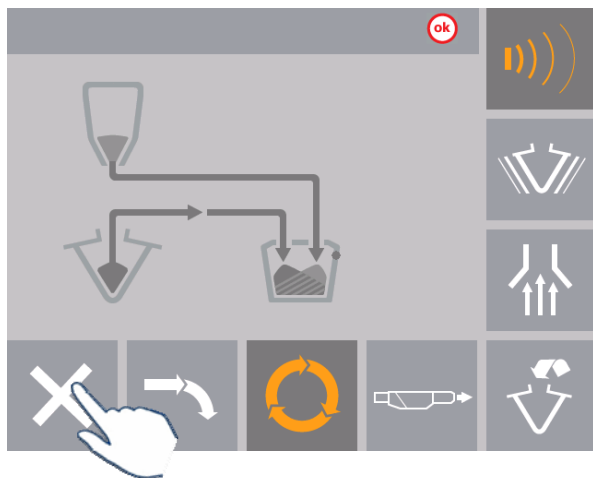


#### 6. Coarse cleaning of the booth

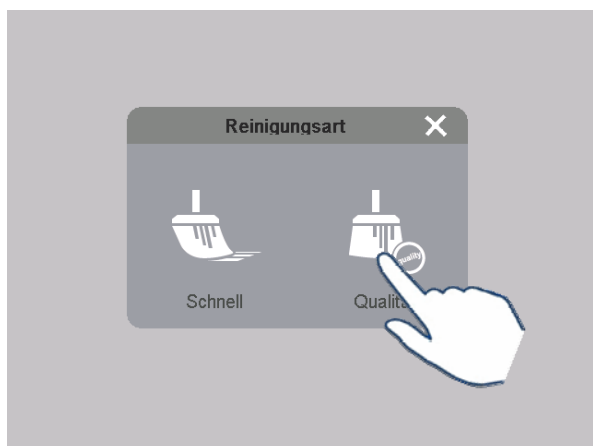


## On the OptiCenter

### 7. Exit the Coating mode



### 9. Select the cleaning possibility



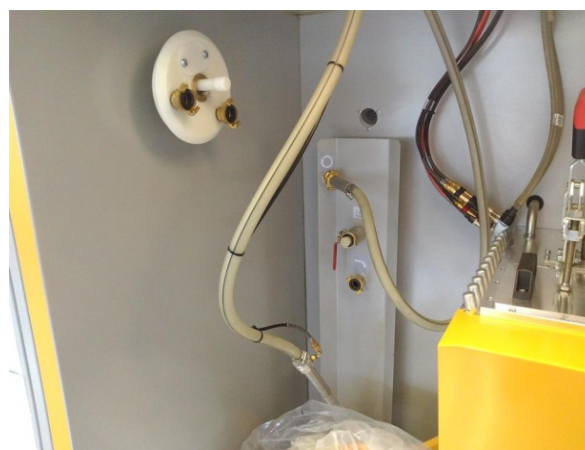
### 11. Move the FP cone under OptiSpeeder



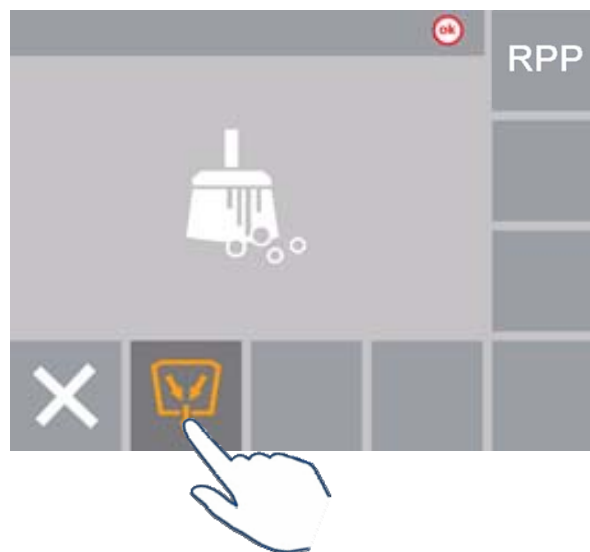
### 8. Select the Cleaning mode



### 10. Put the fresh powder lance in the park position



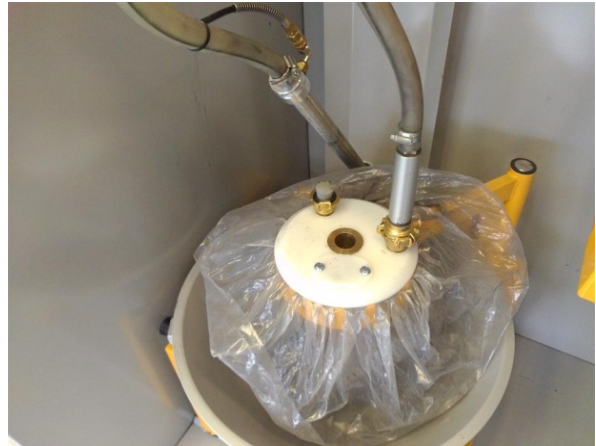
### 12. Pres the "Emptying OptiSpeeder" key 2x



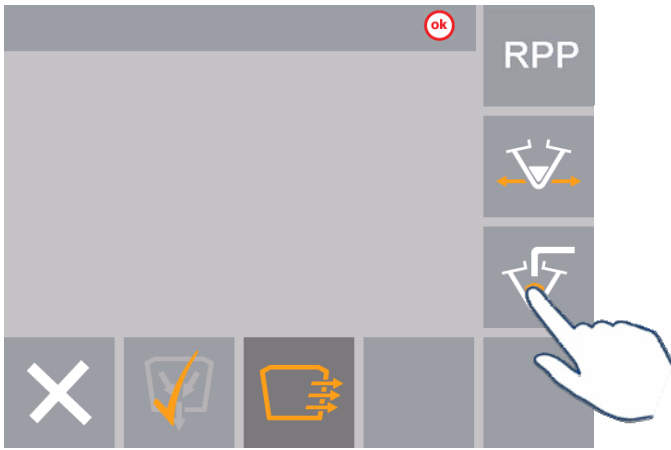
13. Move back the FP cone



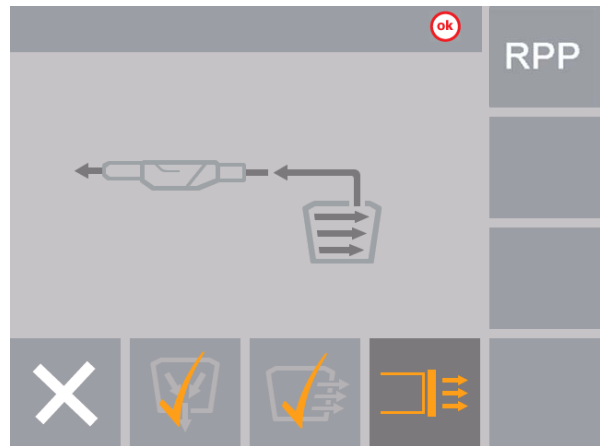
14. Change the recovery hose position



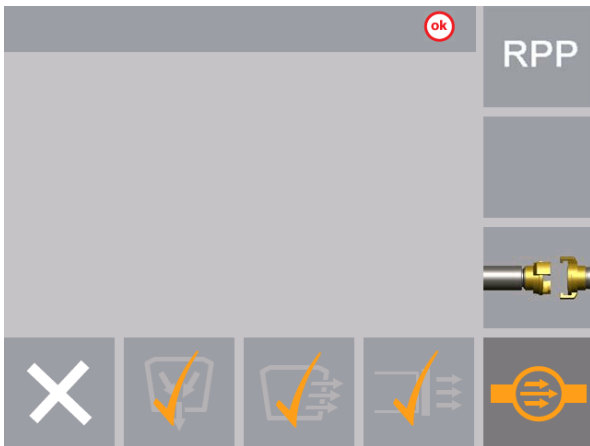
15. Confirm



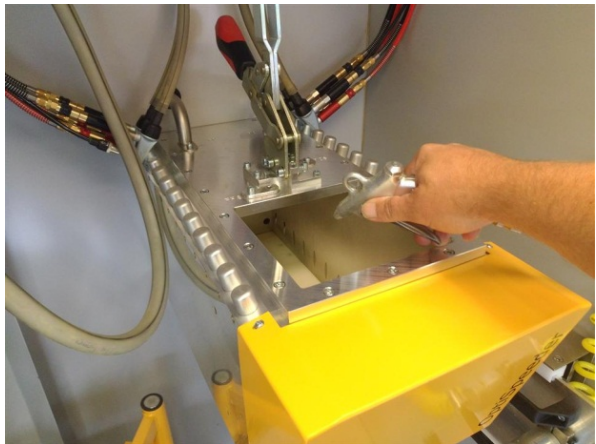
16. The sequence continues to run automatically



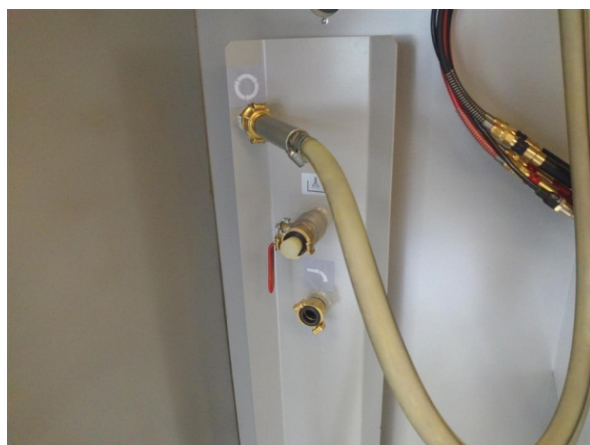
17. Wait until this mask is displayed



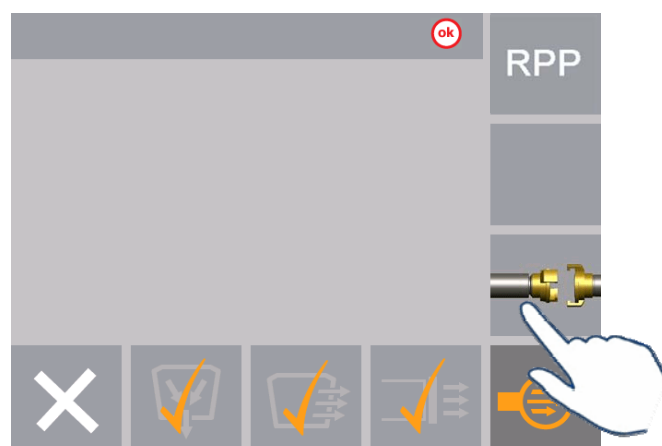
18. Clean the OptiSpeeder, place the cover



19. Connect the RP hose to the "Cleaning" connection



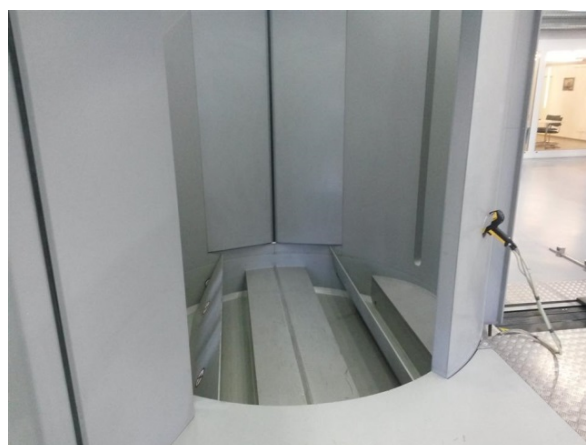
20. Confirm



21. Remove powder bag, clean the OC thoroughly



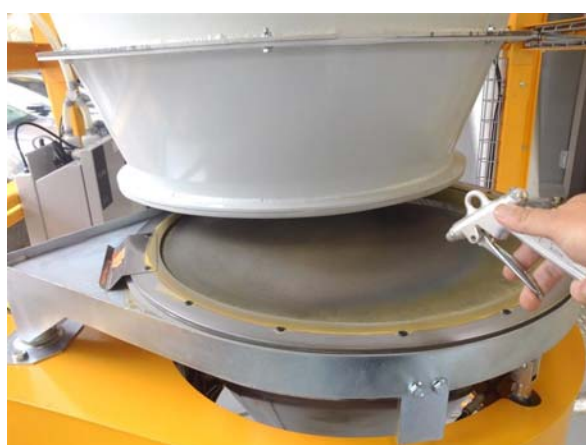
22. Fine booth cleaning



23. Clean the ducting



24. Clean and remove the sieve



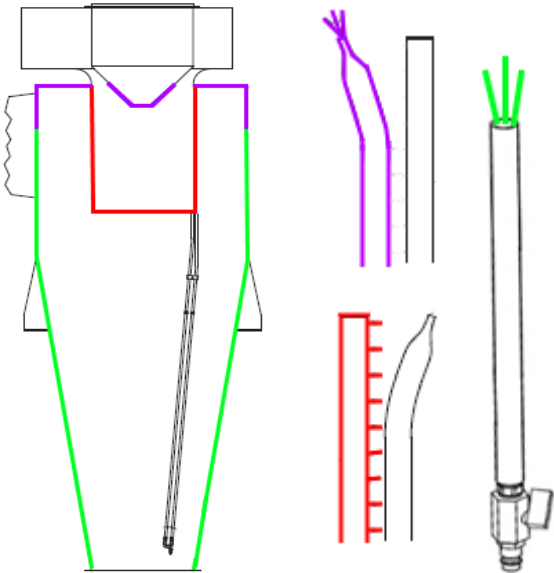
## 25. Start recovery hose cleaning



## 26. Clean the cone



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



## 28. Insert the sieve and close the cyclone



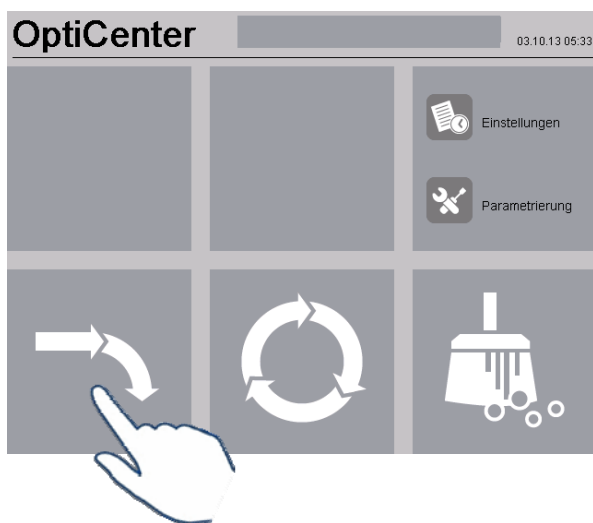
## 29. Place the bag with new color, connect the RP hose to the "Waste" connection



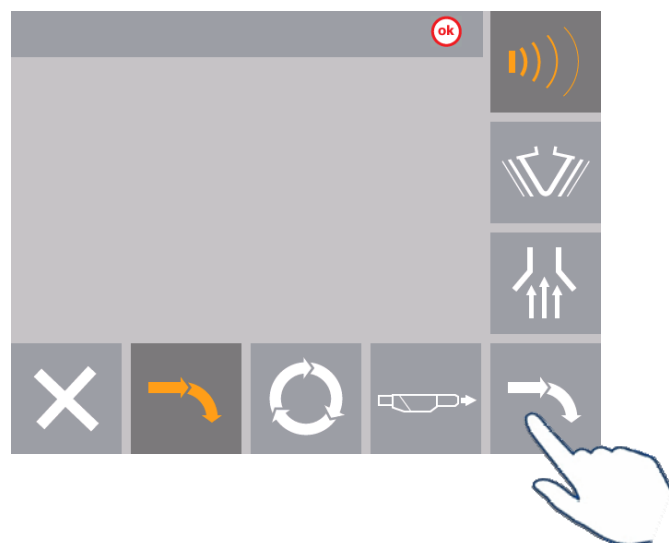
## 30. Exit the Cleaning mode



### 31. Select the "Spray to waste" mode

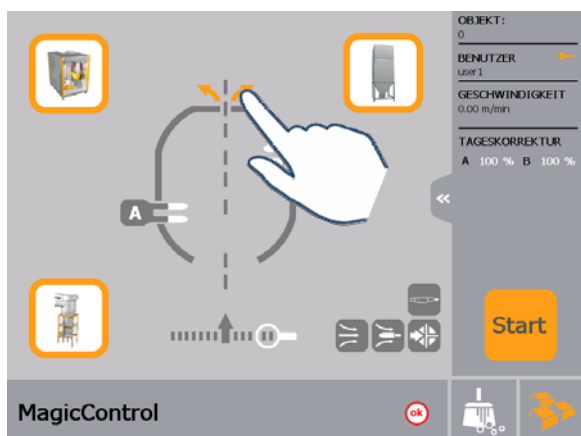


### 32. Confirm the RP hose position

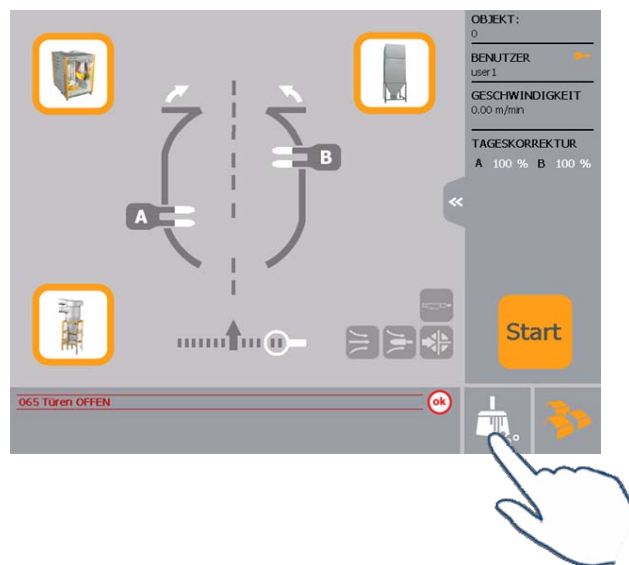


## On the CM30 panel

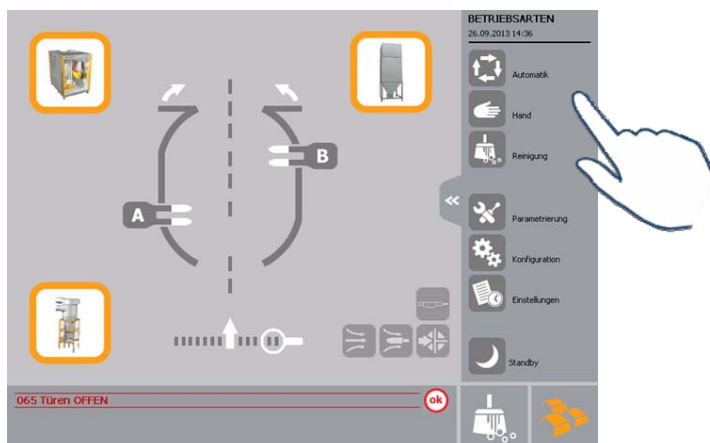
### 33. Open the doors



### 34. Exit the Cleaning mode



### 35. Return to the Coating mode



# Main menu



**Close / open automatic doors**

**Powder management**

**Access to all programs**

**After Filter**

**Access to axes and guns parameters**

**Legend:**

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

**OBJEKT:** 0 ← Active coating program

**BENUTZER:** user1 ← User log in / log out

**GESCHWINDIGKEIT:** 0.00 m/min ← Conveying speed

**TAGESKORREKTUR:** A 100 % B 100 % ← Increase or reduce powder output per station

**Start**

**Current operating mode**

**Call up programs to change them locally**

**008 Bereichsüberschreitung Förderluft**

**101 Fehler Pistole 1 in Station A**

**Current error with number**

**Acknowledge the alarm** (ok)

**Manual operating mode only: Start / Stop guns, axes**

**Object recognition object present / no object**

**Start / stop conveyor simulation**

**Cyclone**

# Guns settings

PISTOLENPARAMETER  
OBJEKT: 0

ZEIT: 15:55    DATUM: 10.10.2015

				kV	$\mu$ A		Vorlauf [cm]	Nachlauf [cm]	Error number
1	A 01	100	7.0	100	40	0.3	08	-15	-15
2	A 02	80	5.0	100	40	0.3		-15	-15
3	B 01	100	5.0	100	40	0.3		15	15
4	B 02	80	5.0	100	40	0.3		15	-15

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)
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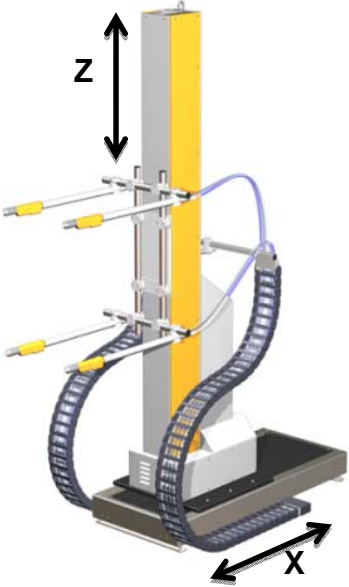
	A B	ok ?				
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# Axes settings

ACHSENPARAMETER		Current position		Error number		513	
OBJEKT: 0						ZEIT: 16:01 DATUM: 10.10.2015	
		↑ [cm]	↓ [cm]	↑ [cm/s]	↓ [cm]	Sprühabstand [cm]	Vorlauf [cm] Nachlauf [cm]
1	A Z	20	0	10	5.0	12	20 20
2	A X	0		10	0.0	20	30 30
3	B Z	20	0	10	19.0		20 20
4	B X	20		10	0.0	Kein Auto	30 30

Access to guns parameters	Acknowledge error	Error description	Access to all coating programs	Save changes	Exit screen



### Schematic Powder Circuit

