

# Service Offering

## SAP Manufacturing Weigh & Dispense



SAP Consulting  
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# Agenda



1. **Solution Approach**
2. **Scope of Service**
3. **Technical Realization**
4. **Examples**

## Solution Approach

- Fully integrated Weigh & Dispense solution based on SAP Manufacturing PPPI
- Standardized connection of scales and terminals via OPC (OLE for Process Control)
- Flexible graphical user interface
- Standard Weigh & Dispense processes available
- Real-time inventory management
- Real-time batch management

## Advantages

- No intensive maintenance of interfaces to external systems
- No replication and synchronization of master and transactional data
- Real-time production planning and production execution
- Applicable for all SAP applications (e.g. PPPI, QM, SD)
- OPC Plug & Play solutions of many scale manufacturers available
- Applicable in the regulated industry

## Scope of Service

### Equipment Management

- Status management of scales and terminals
- Functional scale check
- Scale connection via OPC

### Weighing

- Material identification and batch check
- Information on material as well as hazardous substances information and symbols
- Weighing dependent on active ingredients
- Net weighing
- Gross weighing
- Graphic user interface for weighing (Java-Applet)
- Material consumption posting and goods receipt posting
- Solution can be extended customer specifically by other weighing methods
- Solution can be extended by barcode labeling and weighing protocol

## Scope of Service

### Validation

- FDA/cGxP compliant
- 21 CFR Part 11 compliant
- Audit trail and digital signature
- Deviation management with digital signature
- Solution can be extended to electronic batch record

## Technical Realization



# SAP Manufacturing Weigh & Dispense



## Examples

Process Manufacturing Cockpit SAP1

Herstellung - ändern  
 Prozessauftrag 990956 Materialnummer 000630734 Charge 4711 >>  
 Auf -> Auf. Speichern Abbrechen Drucken Kommentieren

Einwaage

**Material: SEPIA D2 TRIT**

Zur Übersichtstabelle

Gefahrsymboltabelle

1	2	3

1. Sehr giftig beim Einatmen, Verschlucken und Berührung mit der Haut.  
 2. Entzündet bei Berührung mit Säure sehr giftige Dämpfe.  
 3. Sehr giftig für Wasserorganismen, kann in Gewässern langfristige schädliche Wirkungen haben.

Schulobweisung  
 Dieser Stoff färbt sehr stark

Beauftragshinweise  
 Keine Hinweise vorhanden.

Einwaageabfrage

Aktion	Par./J	Def.	Ch.	Charge	S	Waage	HH-Nr.	Sollgew.	Null	Tara	Netto	Abw.1	Abw.2	Abw.3	Sonderaktionen
OK	1	-	1	1	00458	F	01	AM01	0,040 kg	J	0,059 kg	0,021 kg			
Wegeln	1	-	1	2	AM_ERVO	E	01	AM01	0,049 kg	N	0,090 kg				

Reinigung gemäß 35HLSOP300\*

100,00%

**SEPIA D2 TRIT**  
 Mat.-Nr. 630734 Charge AM\_EING  
 Soll: 0,049 kg Ist: 0,049 kg 1

Process Manufacturing Cockpit RAHMAN

Herstellung - Test-ändern  
 Prozessauftrag 000300034313 Materialnummer 00000000000011130 Charge 0001199999 >>  
 Auf -> Auf. Speichern Abbrechen Drucken Kommentieren

Einwaage

**Mat.Nr.: 12945 Mg-Jaurylsulfat-Abmischung**

Zur Materialliste Zur Übersicht

Gefahrsymbole

--	--	--

Abw. 1  
 Sehr giftig  
 Sehr giftig

Sollmenge (Soll%) (K-0): 960.000  
 Gehalt (Soll%) (%): -  
**Verw. Menge (Soll%):** 0.000  
**Restmenge (Soll%):** 0.000

Betriebsanweisung  
 L10  
 Beauftragshinweise  
 Keine Hinweise vorhanden!

Legende  
 WW: 1 = Erstwägung, 2 = Rückwägung, 3 = Füllwägung, 4 = Bruttowägung

Einwaageabfrage

Aktion	Material	Charge	Gehalt (ist%)	W	Restmenge (ist%)	WW	Brutto (ist%)	Tara	Netto (Soll%)	Netto (ist%)	Stornieren	Sonderaktion
>	init	12945	-				-		-	-		

Führen Sie die Einwaage durch

Mat.Nr.: 12945 Charge 0001104302  
**Soll: 960,00 kg**  
**Ist: 950,00 kg**



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