SOEHNLE

PROFESSIONAL

Checklist for continuous weighing

to acquire key data to prepare a customer-specific quotation

Project		
Company		
Street		
Post code Location		
Contact		
Telephone		Email
Soehnle Customer Support		Date

1. Information on weighing products

Weighing product	Smallest weighing product	Largest weighing product
Type of weighing product (box, open workpiece etc.)		
Properties (liquid, base uneven, etc.)		
Gross weight	g	g
Net weight	g	g
Desired accuracy	+/-g	+/-g
Length in running direction	mm	mm
Width	mm	mm
Height	mm	mm
Distance of weighing product (front edge to front edge)	mm	mm
No. of weighings per minute	pcs./min	pcs./min
Belt speed Infeed belt	m/min	m/min
Belt speed Outfeed belt	m/min	m/min
Different products?	☐ yes ☐ no	
Number of variants	variants	

2. General requirements

Is the weighing subject to compulsory calibration? ☐ yes ☐ no

Is the weighing operation

☐ fully automatic?
☐ monitored by personnel?

Aim of scale application

☐ weight determination
☐ check for completeness,
  OK/NOK check
☐ monitoring filling compliance to finished
  packaging regulations (FPV)
☐ classification according to weight limits
☐ interfacing to a process controller
  (e.g. SPC, merchandise information system)
☐ processing of data via
  interface (transfer)
☐ Miscellaneous

_____

Separation of weighing products

☐ ensured by customer
☐ to be ensured by weighing system

Required scope of supply?

☐ weighing system
☐ infeed and outfeed belts
☐ volumetric measurement
☐ identification by barcode
☐ controller
☐ I/O port
  in what scope?

_____

☐ integration
☐ separation
☐ accessories (e.g. printer, remote display etc.)

_____

3. Layout

Max. available length ☐ mm

Weighing belt width ☐ mm

| Existing belt | Infeed belt | Weighing belt | Outfeed belt | Existing belt |

Scale

Work height

Roller dia. D1

☐ mm

Belt speed v1

☐ m/min

Work height from min. ☐ mm to max. ☐ mm

Discharge type, e.g. pusher, nozzle, folding belt

Roller dia. D2

☐ mm

Belt speed v2

☐ m/min
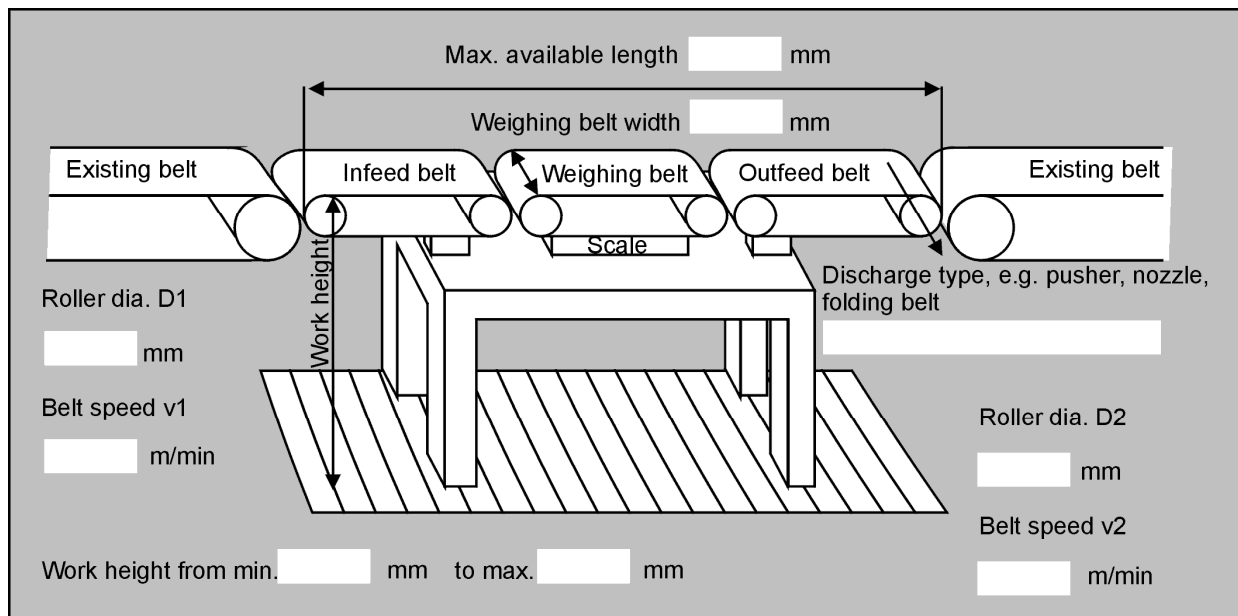
4. Display electronics

Weight display required on scale itself ☐ yes ☐ no

Required I/O port ☐ digital interface (RS 232, RS 422, RS 485)
☐ bus interface ☐ Profibus DP
☐ other:

_____

☐ analog interface

Power supply ☐ 230 VAC available ☐ 400 VAC available

☐ other: _____

5. Controller

Is the continuous scale to be integrated in an existing system?	☐ yes ☐ no

If yes, software technical support is by: _____

Should the conveyor belt start or stop automatically in conjunction with other devices?	☐ yes ☐ no
Does a function description exist? If yes, please enclose	☐ yes ☐ no
Is a controller already in use?	☐ yes ☐ no

If yes, specify make and type of SPC: _____

Task of SPC: _____

Can it be used to activate the scale conveyor belt?	☐ yes ☐ no
Can the customer carry out the integration himself?	☐ yes ☐ no
How are the weighing products separated	☐ by the weighing system
	☐ operator
	☐ automatically
Do goods have to be stopped automatically for measurement in special cases (oversize)?	☐ yes ☐ no
Is an external operating unit required?	☐ yes ☐ no

6. Ambient conditions

| Temperature | min: _____ | | max: _____ |

Wet area ☐ yes ☐ no

Required
protection class IP: _____

Chemicals ☐ yes: _____ ☐ no

Foodstuffs ☐ yes: _____ ☐ no

Pharmaceuticals ☐ yes: _____ ☐ no

Vibrations	☐ yes	☐ no
Draught	☐ yes	☐ no
Electrostatic charging	☐ yes	☐ no
Assembly	☐ yes	☐ no
Concrete floor	☐ yes	☐ no
Steel carrier construction	☐ yes	☐ no
Horizontal support in working height possible	☐ yes	☐ no

Explosion-hazardous area ☐ yes ☐ no

Zone _____

Category _____

7. Other requirements

Separation using compressed air ☐ yes ☐ no

Miscellaneous

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