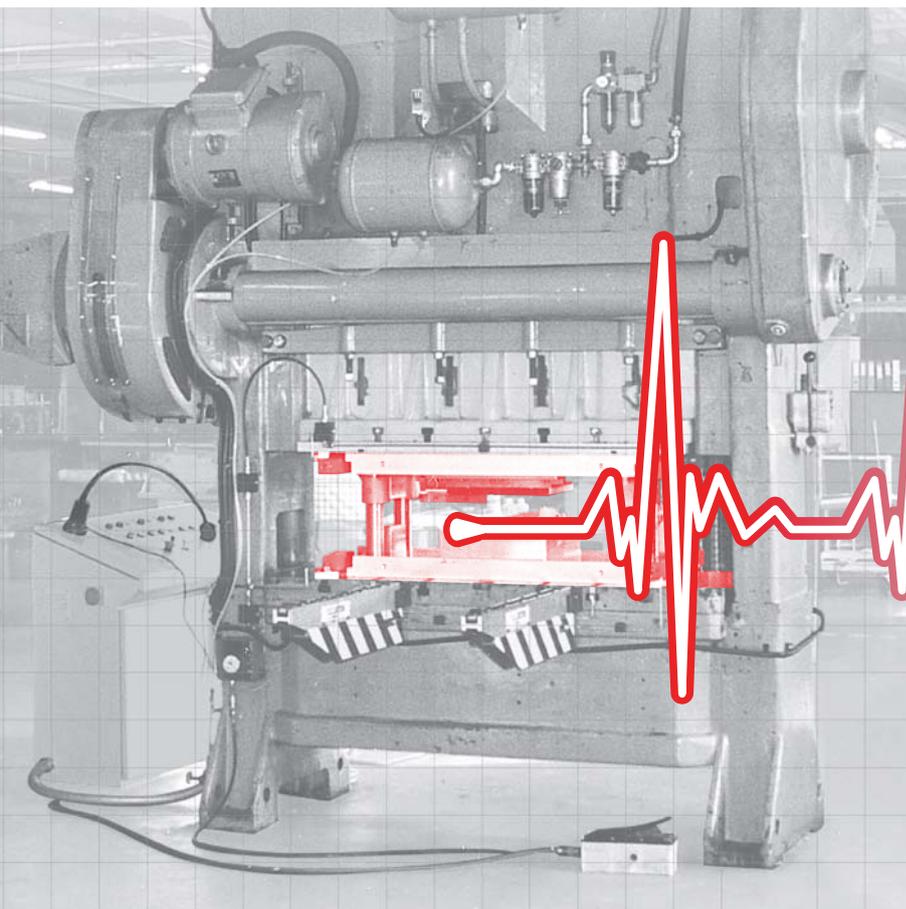


MONITORING

control and protection system

PRESS SOLUTIONS



 **DIMECO**

Get the best out of your presses

www.dimeco.com

PRESS MONITOR AND ELECTRONIC CAM

Stop the press immediately when a fault is detected

SAFELY MAKE YOUR PRESS AUTONOMOUS

- Avoid costly maintenance operations and save time
- Self teaching mode
- Make your production completely safe
- Easy to use
- Clear indications with LED's
- Just two buttons



PSP 30 V2

- 2 inputs
- Choose the position : either ejection or static
- Counts data on both inputs
- Compatible with any kind of sensors
10 30 V PNP or NPN or dry contact
- Dimension : H90mm/L190 mm/D180 mm
- Reference : 19444030

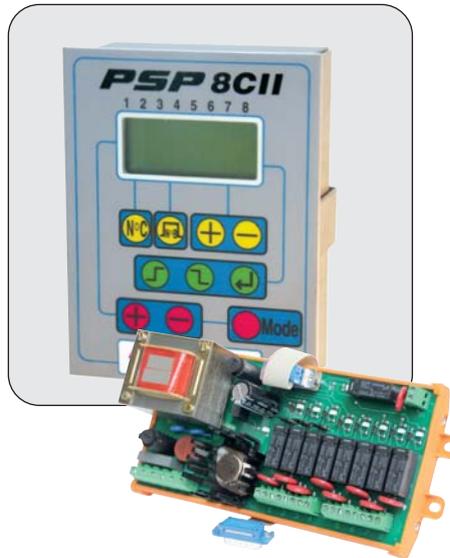


PSP 100 V2

- 2 position inputs 3 ejection or static inputs
- Counting on the 2 position inputs
- Compatible with any kind of sensors
10 30 V PNP or NPN or dry contact
- Dimension : H110mm/L263 mm/D190 mm
- Reference : 19444100

DRIVE YOUR ACTUATOR WITH YOUR FINGERTIPS

- Extremely accurate
- Easy to use
- Choose between manual and self teaching mode
No need to go up the press to adjust a cam
- Easy activation of the tool programs



PSP 8C V2

- 8 cams
- 4 cam lobes
- 50 programs
- Resetting of the encoder from the control box
- Interface 110/220 VAC
- 8 relays
- 3 static cams or relays
- "NO" contact independent on each relay
- Reference for the control box alone : 931 201
- Reference for the interface alone :
- Reference for control box
+ interface + encoder + 10 m. cable : 19593210



Frame sensor to check parts



PSP 30 installed out of control cabinet



Monitors integrated to the press control cabinet

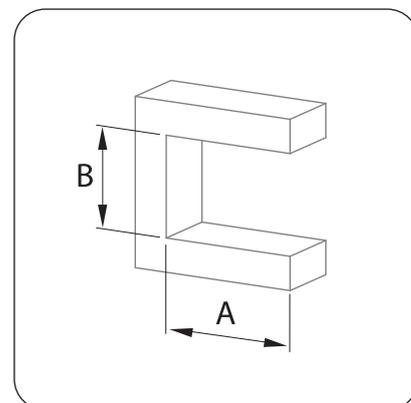
SENSORS

for a comprehensive solution

IDEAL TO CONTROL THE POSITION OF THE STRIP

CHARACTERISTICS

- Check the position of a pilot hole on the strip
- Excellent repeatability
- Can be integrated in the tool
- A led indicates the status change
- Adjustable sensitivity



INFRARED FORKSENSORS

Dimensions (mm) A x B active zone	Ref. PNP	Ref. NPN
5 x 17	49546100	-
10 x 17	49546101	-
30 x 35	49546102	465 112
40 x 40	49546103	465 113
50 x 55	49546104	465 114
80 x 55	49546105	465 115

LASER FORKSENSORS

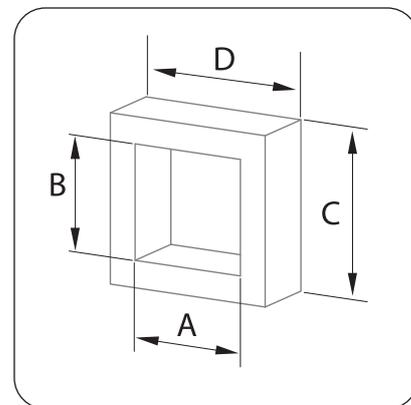
Dimensions (mm) A x B active zone	Ref. PNP	Ref. NPN
30 x 30	49546106	465 116
50 x 50	49546107	465 117
80 x 50	49546108	465 118

(other dimensions available on request)

IDEAL TO CONTROL THE EJECTION OF A PART

EXTRA CHARACTERISTICS

- Adjustable timer
- Removable upper bar to have a "U" frame



INFRARED FRAMES (other dimensions available on request)

inside A x B Dimensions (mm)	outside A x B Dimensions (mm)	Thickness (mm)	Ref. PNP	Ref. NPN	Mini object detected (mm)
20 x 20	60 x 60	15	49546061	460 071	0.7
40 x 49	125 x 80	20	49546062	460 072	1
70 x 62	110 x 123	20	49546063	460 073	2
100 x 92	140 x 152	20	49546064	460 074	3
150 x 142	190 x 203	20	49546065	460 075	5
250 x 242	290 x 303	20	49546066	460 076	5
397 x 300	340 x 458.5	20	49546067	460 077	8

CABLES

CABLE	CONNECTOR	Length	Ref.
M8 CABLE	Right connector	Length : 2,5 meters	Ref. 49546000
M8 CABLE	Right connector	Length : 5 meters	Ref. 49546001
M8 CABLE	Right-angle connector	Length : 2,5 meters	Ref. 49546002
M8 CABLE	Right-angle connector	Length : 5 meters	Ref. 49546003

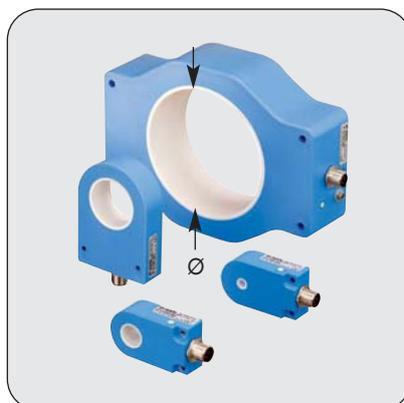
DON'T FORGET TO ORDER A CABLE TO PLUG IN YOUR FRAME OR FORKSENSOR

SENSORS

for a comprehensive solution

PERFECT FOR CHECKING THE EJECTION OF A METALLIC PART OUT OF THE TOOL

- Does not detect oil or water!



INDUCTIVE RINGS

Effective dimensions (mm)	Ref. PNP	Ref. NPN
35	49549060	495 070
50	49549061	495 071
100	49549062	495 072
200	49549201	495 200
300	49549301	495 300

(the cable is included in the reference)

PERFECT FOR DETECTING A PART INSIDE A TOOL OR OFTEN USED AS A STOP

- Relatively short range



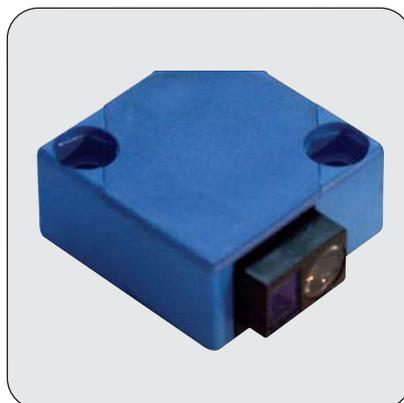
INDUCTIVE DETECTOR

Type	Ref. PNP	Ref. NPN	detection range (mm)
M8	49544103	440 104	0,2
M12	49544101	-	2
M18	440 115	-	4

(cable on request)

PERFECT FOR DETECTING A LARGE PART IN A CHUTE

- Much larger range



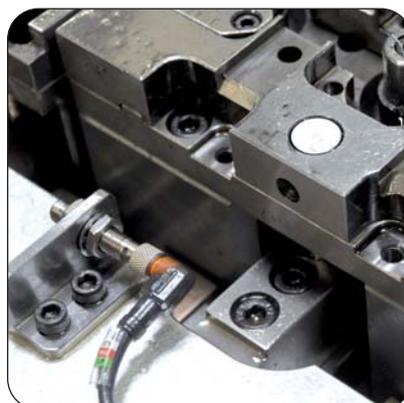
INFRARED DETECTOR

Type	Ref. PNP	Ref. NPN	detection range (mm)
M8	49547501	NO	50
M8	49547502	NO	50
M18	49547506	NO	0-150
30 x 30	51800079	NC	0-150

(cables on request)



Inductive ring



Inductive detector



Inductive detector used as a stop

MONITORING OVERLOAD

Tonnage indicator/overload detector



MAKE YOUR PRODUCTIONS SAFER! STOP THE PRESS AT THE FIRST OVERLOAD.

- Display of the tonnage used by the press
- Enables you to install tools with the right power for the press
- Enables you to detect if a tool needs sharpening
- The Piezzo sensor transforms the mechanical deformation into an electrical signal translated into tonnage in the control box
- User-friendly : a display, one potentiometer for each side and reset button.



PERFECT FOR SINGLE CRANK PRESSES

IMCO ONE DIAL

- 1 digital dial displaying the value in tons
- 1 potentiometer enabling you to select the maximum value for the tool installed on the press
- Device delivered with 2 normal sensors (sensor type 112) : reference 49553617
- Device delivered with 2 sensitive sensors (sensor type G112) : reference 49553117



PERFECT FOR TWO CRANKS PRESSES

IMCO TWO DIAL

- 2 digital dials displaying the value in tons
- 2 potentiometers enabling you to select the maximum value for the tool installed on the press
- Device delivered with 4 normal sensors (sensor type 112) : reference 49553018
- Device delivered with 4 sensitive sensors (sensor type G112) : reference 49553118

A LOAD MONITORING SYSTEM INTEGRATED IN YOUR PRESS AUTOMATED SYSTEM INTEGRATED TO THE AUTOMATED SYSTEM :

- Integrated to the automated system :
- Enables you to check if the load is too heavy or too light
 - Enables you to manage a history of the values and the stops.



PROFORCE

- Transforms press deformation into a signal 0-10V or 4-20mA
- Power supply 24 VCC
- 1 proforce for 2 sensors
- 1 proforce for each side or crank
- Delivered with 2 normal sensors (sensor type 112) : reference 49553021
- Delivered with 2 sensitive sensors (sensor type 112G) : reference 49553121



Load monitor integrated in the control cabinet



Overload monitor 2 digital dials and its "piezoelectric stress sensor"

NEW SELBER

control the bottom dead center to the micron, for high speed presses

MAKE YOUR PRODUCTION SAFER ! STOP IT IMMEDIATELY IN CASE OF :

- Presence of scraps
- Breaking of a punch
- Shavings coming back up

- For cutting and stamping parts in the electronic industry (connectors and mobile phones)
- Prevent you from recoiling a strip with marks on it or with crashed shavings before overmoulding it
- Self teaching mode
- For speed up to 2000 SPM
- Turnkey and comprehensive system
- Free loan (subject to availability).



AVOID COSTLY MAINTENANCE OPERATION AND SAVE TIME

RB- RX model, this equipment includes :

- One base RB unit
- On unit for 2 sensors : RX
- It monitors the position of the stripper at every bottom dead center
- It detects excess thickness of less than a micron
- The tolerance can be defined by the operator (low and high tolerances are the same value)
- You can put up to 4 RX units, 2 sensors have 2.5 m cables (sensors sold separately).
- Delivered with one RB unit, 1 RX unit, 2 sensors and 2 cables (5m) :
ref. 49558010 + 49558020 + 2 x 4958100 + 2 x 49558105
- Single RX unit for 2 extra sensors
ref. 49558020

GENERATE CURVES AND HISTORY

- Data transferable to excel
- 5.7 inches screen
- USB port.



NEW SELBER GX

- This device consists of a single GX unit
- Generates the sensors curve for a cycle or a graph giving the sensors evolution on a large number of cycles.
- The tolerance can be defined by the operator (low and high tolerances are adjustable separately)
- You can have 2 sensors (sensors sold separately)
- Selection of an offset around the value
- Device delivered with 2 sensors and 2 cables (5 m) : 582 300.



Monitors integrated in the press cabinet



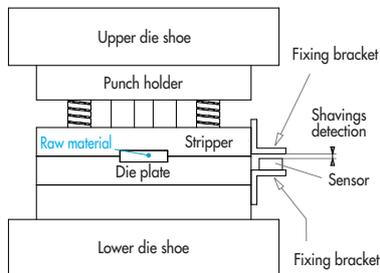
OPERATING PRINCIPLE

By self-teaching the distance between the stripper and the lower die shoe of the tool is recorded after the first cycle.

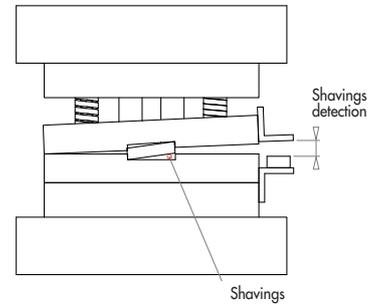
The tolerance is defined by the operator.

As soon as a measure is superior to the tolerance, the press is stopped.

NORMALLY OPERATING



NOT OPERATING NORMALLY



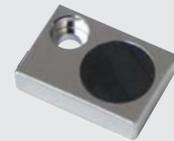
SENSOR TYPES

Manage inductive analog sensors.



STANDARD SENSOR

- Dimensions : 30 x 20 x 8
- Ref. 49558100



MINIATURE SENSOR

- Dimensions : 20 x 14 x 5
- Ref. 49558200



SENSOR WITH INTEGRATED CONNECTOR

- Dimensions : 65 x 20 x 16
- ref. 49558600

CABLES

- Length 1,5 m : ref. 49558103
- Length 3 m : ref. 59580075
- Length 5 m : ref. 49558105
- Length 6 m : ref. 49558106
- Length 9 m : ref. 49558102



Standard sensor





**Tool changeover
system for LEAN
MANUFACTURING**



**Tools, moulds
and coils
handling**



**Press feeding,
oilers
and conveyors**



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