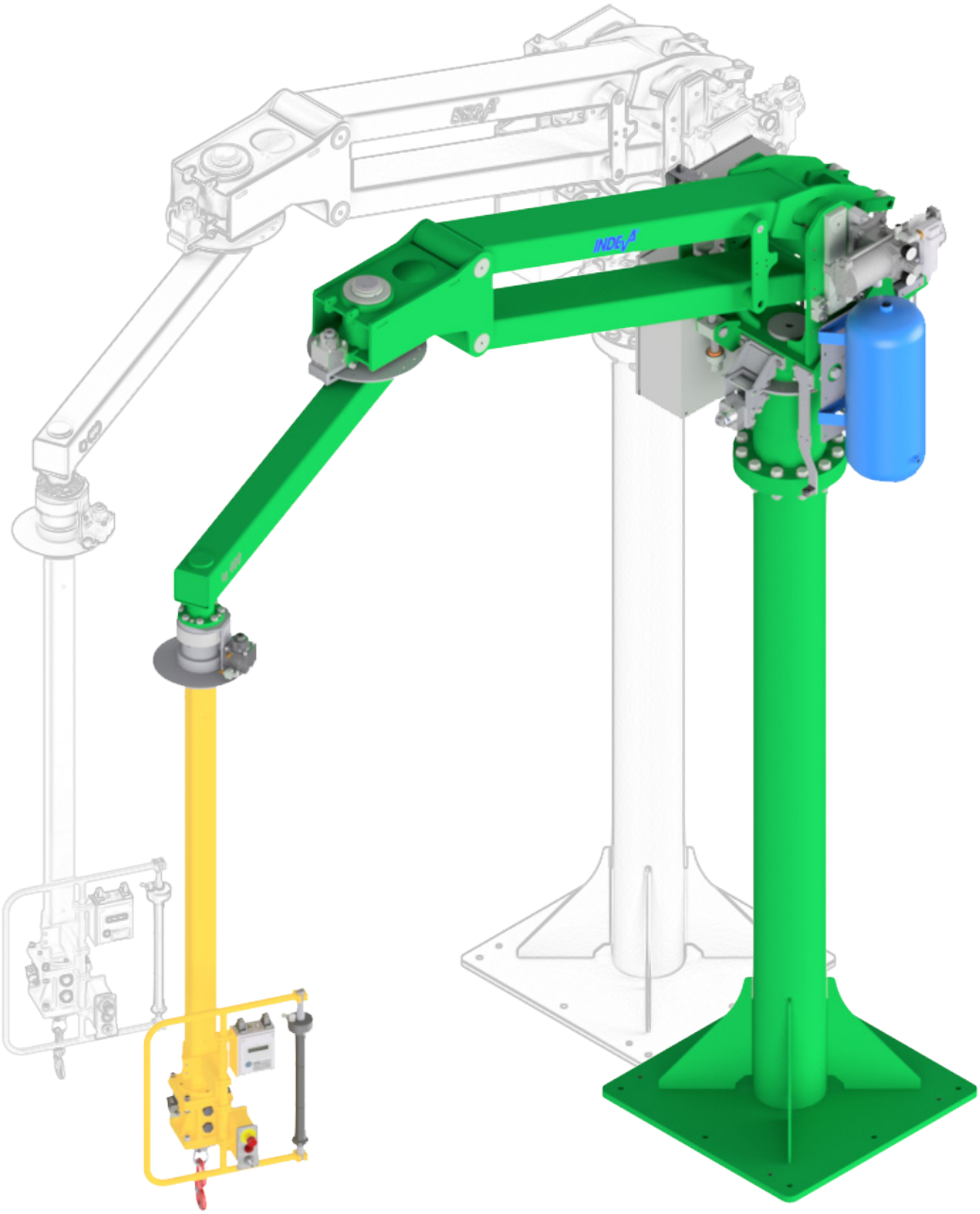
LIFTRONIC® AIR - COLUMN MOUNTED 400



MAX GROSS CAPACITY
UP TO 570 kg

VERTICAL STROKE
MAX 2.33 m

OFF-SET LOADS

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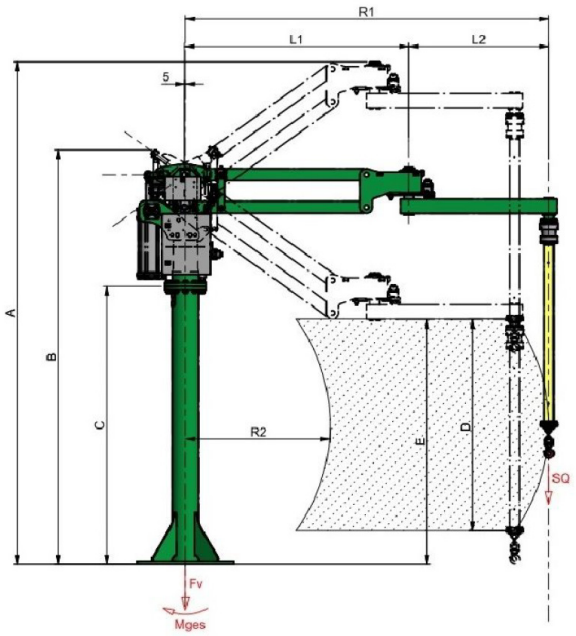
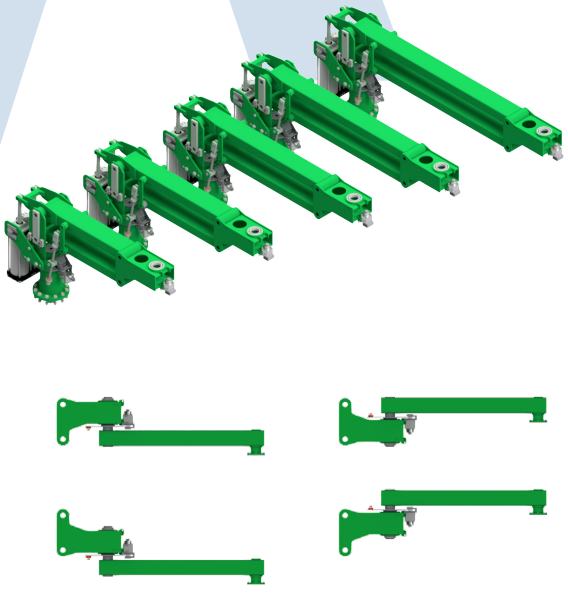
Model		PN400				
Type		**XS***	**S**	**M**	**L**	**XL***
SQ(1) (Max Load capacity)	**kg**	**570**	**530**	**400**	**310**	**235**
Min Load capacity	kg	15	15	15	15	15
L1	mm	1345	1595	1845	2095	2345
L2	mm	655	905	1155	1405	1655
R1	mm	2000	2500	3000	3500	4000
R2	mm	932	1058	1194	1337	1485
A(2)	mm	3568	3813	4160	4405	4751
B(2)	mm	3130	3230	3430	3530	3730
C(2)	mm	2000	2100	2300	2400	2600
D Vertical stroke	mm	1167	1458	1750	2042	2333
E(2)	mm	2010	1962	2017	1970	2025
Weight (with column and load)	kg	1300	1250	1150	1115	1075
Fv max(3)	daN	1472	1420	1310	1250	1225
Mges max(3)	daNm	1753	1970	1910	1960	1890

(1) Nominal load capacity SQ is determined with a compressed air supply of minimum 0,65 MPa (6,5 bar) and standard off-set load.
(2) Within certain limits, these values can be modified to suit specific requirements.
(3) Values including the relevant safety factor, according to UNI EN 13001.
** Subject to approval by our engineers*





GENERAL TECHNICAL SPECIFICATIONS

- Air pressure 0,65 MPa (6,5 bar)
- Power supply 115/230V A/C 50/60Hz
- Power consumption 100VA
- Enclosure protection IP54
- Noise level < 70 dB(A)
- Lifting capacity limiter
- Lift speed from 15 to 30 m/min
- Main column axis brake
- Intermediate joint axis brake
- Column rotation 360°
- Tool axis rotation 550°
- Slow descent in case of pressure failure
- Balancing type: load preset or self balancing (it depends from the tooling)

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Applicable standards:
- Essential safety requirements provided by Directive 2006/42/EC;
- Electrical Equipment - Electromagnetic Compatibility (EMC) Directive 2014/30/EU.

AVAILABLE OPTIONS

- Brake for up/down movement
- Special painting
- Steel platform
- Limit switch for the main and intermediate joint axis

WORKING ENVIRONMENT CONDITIONS

- Relative humidity rate: 30% to 90% +/- 5%
- Working temperature 5 to 50 °C

SAFETIES

(when assembled with tooling)

The system stops automatically when:
- A communication error is detected (fault inside the cables, fault inside an electronic board…);
- Electric power supply switches off;
- The system controls the balancer pressures and verifies the congruencies between them;
- A fault inside the proportional electric valve is detected;
- A fault inside the proportional pneumatic valve is detected;
- The cylinder pressure is not congruent with required pressure;
- The STOP button is pressed (without the intervention of programmable electronic boards - only electromechanical elements).

Other safeties:
- Load loss detection;
- The system generates warning (without stopping the balancer) in order to show "out of range" working situations;
- Maximum lifting load limitation by electronic control.

CONFIGURATION CHART