

revolution

ENERGY-RECOVERY HYBRID BRAKE



THE REVOLUTION IS HERE: A NEW ENERGY-SAVING CONCEPT

The idea was born by interposing a regenerative motor between the reel and the pneumatic brake. We have thus invented and patented an innovative energy-recovery hybrid brake: Revolution.

A technology that improves every phase of the line, from roll preparation to splicing, passing through start-up and braking: the multidisc pneumatic brake and the energy recovery motor work in tandem, always guaranteeing the required braking performances.

Revolution is an industry 4.0 technology: the integrated system also includes an intuitive and easy to use control panel that enables to establish a direct dialog with the production systems in the ERP.

HYBRID REGULATION

brake and motor work in tandem, always guaranteeing the required braking performances

ELECTRICAL AXIS

it detects and avoids slippage by checking the rpm difference between the left and right side of the reel

REGENERATIVE BRAKING

During braking, the kinetic energy of the brake is transformed in reusable electrical energy

HIGHER SAFETY LEVEL

prevents injuries by eliminating the manual intervention of the operator in tensioning operations

NO MORE PAPER TEARING

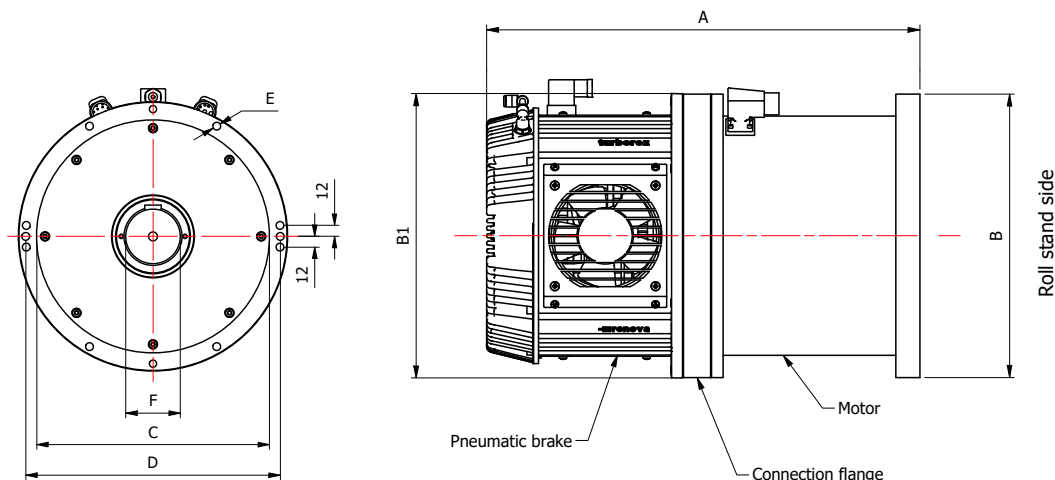
during splicing, the roll is accelerated to overcome initial inertia, so the speed may remain constant

100% PLUG AND PLAY

the customizable flange allows to retrofit all roll stands with different shaft or chuck configurations

REVOLUTION

As standard, Revolution is equipped with Turborex, Renova's patented multidisc pneumatic brake.



CARDBOARD

	RVTX 160.40	RVTX 180.75	RVTX 240.210	RVGR
A	411	451	479	432
B	295	295	295	295
B1	295	295	340	230
C	256	256	256	256
D	280	280	280	280
E	8.5	8.5	8.5	8.5
F max	60	60	60	60
connection flange	✓	✓	✓	✗
min torque Nm (0,2 bar)	10	25	70	14
max torque Nm (6 bar)	498	866	2276	536
emergency torque Nm (max 20 sec)	556	924	2286	594

PAPER

	RVTX 180.75	RVTX 240.210
A	451	479
B	500	500
B1	295	340
C	450	450
D	475	475
E	12.5	12.5
F max	90	90
connection flange	✓	✓
min torque Nm (0,2 bar)	25	70
max torque Nm (6 bar)	1500	3000
emergency torque Nm (max 20 sec)	2000	3500

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