IPS 1000
INDUSTRIAL PLATE STACKER
For Large Stationary and Traction Cell Production

CHARACTERISTICS
Performance up to 70 plates/min.
Plates tubular, flat, core seal wrapped plates
Max. Plate Height (without lug) 150 - 650 mm
Max. Plate Thickness 2.5 - 10 mm
Number of Positive Plate Infeeds 2
Number of Negative Plate Infeeds 2
Number of Leaf Type Magazines 4

LEAF-TYPE SEPARATOR
Separator Width 140 - 220 mm
Separator Height 150 - 660 mm
Separator Thickness 1.3 - 2.5 mm

MACHINE DIMENSIONS
Dimensions depend on machine configuration

UTILITIES
Air Pressure 6 - 8 bar
Electrical Power Consumption 55 kVA (depending on machine dimensions)

OPTIONS
- Lug brushing
- False lug cutting
- Lug milling
- Swivelling crane for plate loading
- Different vision systems for quality check

ELEMENT TRANS-PORTATION OPTIONS
- Turning tables
- Buffer places
- COS interface
- Duplexing station
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- Duplexing station

HSE

WE CARE ABOUT

CELL STACKING
Precise plate and lug alignment ensures the best stacking results, which are essential for a high-quality cast-on-strap process.
- Servo-driven lifting unit

REJECT & MANUAL REPAIR STATION
- Automatic reject after cell check
- Manual repair place
- Automatic reinsertion into main line

MODULAR LINE CONFIGURATION

LEAF-TYPE FEEDER
The separator is transported and placed through vacuum feeding:
- vacuum-operated feeder
- active vacuum release
- each station with level indicator

No liability is accepted for errors or misprints. We reserve the right to modify or improve the design or manufacture of machinery and equipment described herein and to alter specifications accordingly without prior notice.
HANDLES UP TO 70 PLATES/MIN

Best lug preparation for excellent cast-on quality. Precise stacking quality due to alignment of each plate. Innovative quality check systems with cameras for cell configuration, lug shape and separator orientation. Machine visualization via iPad tablet for flexible machine handling. Higher efficiency thanks to different self-repair functions. Half machine mode for small cells (plate count) to use only 2 plate feeders.

PLATE TYPES
- Tubular plates
- Flat plates
- Core seal wrapped plates

PLATE AND LUG PREPARATION
- Smooth vacuum handling
- Different suction cups available
- Active vacuum release
- Double plate detection

LUG MILLING
- Milling of both lug surfaces
- For perfect cast-on quality
- Pneumatically driven dry-charged plate lugs
- Plate clamping during milling process

LUG SHEARING
- Perfect aligning and centering
- Straight or V-shape shearing
- Pneumatically driven

LUG BRUSHING
- Brushing of both lug surfaces
- For perfect cast-on quality
- Service position for easy brush changing
- Plate clamping during brushing
- Single stone to support lug
- Complete housing

INNOVATIVE QUALITY CHECK SYSTEMS
- Checks lug cutting shape
- Visualization on tablet
- Backlight
- Cleaned by airflow
- Manual plate removal and self-repairing of the plate flow

SEPARATOR ORIENTATION CHECK
- Checks separator orientation (rips up/down)
- LED light support camera
- Wrong orientation - manual repair, test run
- Machine starts only after detecting correct separator

VACUUM PLATE FEEDING
- Smooth vacuum handling
- Plate clamping during feeding process

LUG SHAPE CHECK

CELL CHECK VIA CAMERAS

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