

For more than 25 years Gunter Seibold Maschinenbau GmbH has developed and manufactured special machines for the ranges of handling – plastic joining and assembly.

Experience and ongoing continuous development guarantee an optimum performance.

Machines by Gunter Seibold Maschinenbau GmbH offer the framework and preconditions for successful manufacturing concepts.

The latest technology and maximum production performance lead to smiles in your accounts department.

The costs for maintenance and operation are extremely low.

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity

gunter seibold

Gunter Seibold Maschinenbau GmbH
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Companies Portrait

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**Foundation of a firm
engineer's office in
Reinheim** 1984

New building in Groß-Umstadt 1991

**Transformation of the company
into a GmbH** 1991

**Assumption of the delivery
program of the company
Stollberg Beerfelden** 2003

**New building of an assembly
workshop** 2003

**Removal into the new
building** 2004

Company form GmbH

General Manager Dipl.-Ing.
Gunter Seibold

Co-workers altogether approx. 40

**Co-workers at the range
Service construction** approx. 20

**Qualification of the
Co-workers** Engineers, technicians
and technical
draughtsmen

**Co-workers at the range
workshop** approx. 20

**Qualification of the
Co-workers** Engineers, masters
and skilled workers

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 **stollberg**
winding – pressing – taping

Delivery Program

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Engineering for mechanical design

- **Mechanical design for special machines**
- **CAD-systems: ACAD, SOLID EDGE, UNIGRAPHICS**
- **Capacity: approx. 30.000 working hour per year**
- **Electrical design, programming EPLAN, SIEMENS S5 + S7, Beckhoff, Bernecker + Rainer (B+R)**
- **Capacity: approx. 5.000 working hour per year**

Tool manufacturing

- **Moulds for foam parts of car seats**
- **Capacity: approx. 200 tools per year**

Special machines

- **For the area automation, mounting, checking and plastic joining**

Stollberg Winding Machines

- **Horizontal Coil Winding Machines**
- **Vertical Coil Winding Machines**
- **Foil Winding Machines**
- **Taping Machines**
- **Special Hydraulic Presses**
- **Bending Device**
- **Mandrels**
- **Coil crosses**
- **Stabilisation Presses**
- **Lifting tables**

Technical modifications reserved

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winding – pressing – taping

Coil Winding Machine

S100

S-series
Coil winding machines
for the production of
distributor transformers
and similar products

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control with foot pedal
- Programmable start-up and brake characteristics
- Freely programmable stops
- Continuously selectable advance of the wire laying system
- Dialog input system

Options

- 2-fold wire guide
- 2nd laying slide for double coils
- Wire brake
- Unwinder
- Edge strip feeder
- Expansion mandrel
- Dancer arm
- Thin wire takeoff
- Overhead takeoff

Technical Datas

Distance between the centers	:	1000 – 1500	mm
Center height	:	820	mm
Load between the centers	:	max. 500	kg
Torque	:	max. 200	Nm
Speed	:	max. 800	1/min
Machine weight	:	approx. 1000	kg
Electr. conn.	:	3x400	VAC
Load	:	max. 8	kW

Special versions of the machines described here can be produced on request.

Technical modifications reserved

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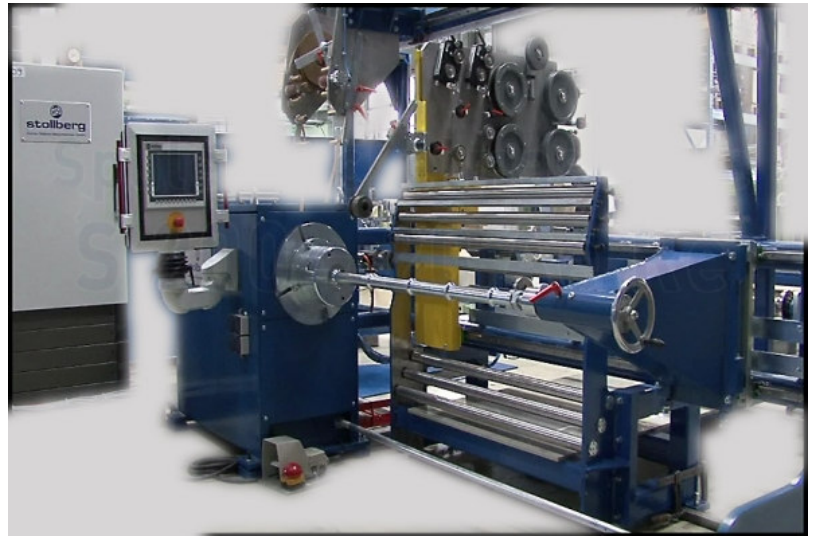
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stollberg
winding – pressing - taping

Coil Winding Machine

S200

S-series
Coil winding machines
for the production of
distributor transformers
and similar products



Standard equipment

- Continuously selectable speed
- Speed control with foot pedal
- Programmable start-up and brake characteristics
- Freely programmable stops
- Continuously selectable advance of the wire laying system
- Dialog input system

Options

- 2-fold wire guide
- 2nd laying slide for double coils
- Wire brake
- Unwinder
- Edge strip feeder
- Expansion mandrel
- Dancer arm
- Thin wire takeoff
- Overhead takeoff

Technical Datas

Distance between the centers	:	1000 – 2000	mm
Center height	:	820	mm
Load between the centers	:	max. 1600	kg
Torque	:	max. 2000	Nm
Speed	:	max. 630	1/min
Machine weight	:	approx. 2000	kg
Electr. connection	:	3 x 400	VAC
Load	:	max. 16	kW

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stollberg
winding – pressing – taping

Coil Winding Machine

S300

S-series
Coil winding machines
for the production of
distribution transformers
and medium transformers
and similar products



Standard equipment

- Continuously selectable speed
- Speed control with a foot pedal
- Programmable start up and brake characteristics
- Freely programmable stops
- Continuously selectable advance of the wire laying
- Dialog input system

Options

- 2-fold wire guide
- 2nd laying slide for double coils
- Wire brake
- Unwinder
- Edge strip in feed
- Expansion mandrel
- Dancer arm
- Thin wire takeoff
- Overhead takeoff

Technical datas

Distance between the centers	:	max. 2500	mm
Center height	:	950/1150	mm
Load between the centers	:	max. 3600	kg
Torque	:	max. 10000	Nm
Speed	:	max. 100	1/min
Machine weight	:	approx. 2500	kg
Electr. connection	:	3 x 400	VAC
Load	:	max. 20	kW

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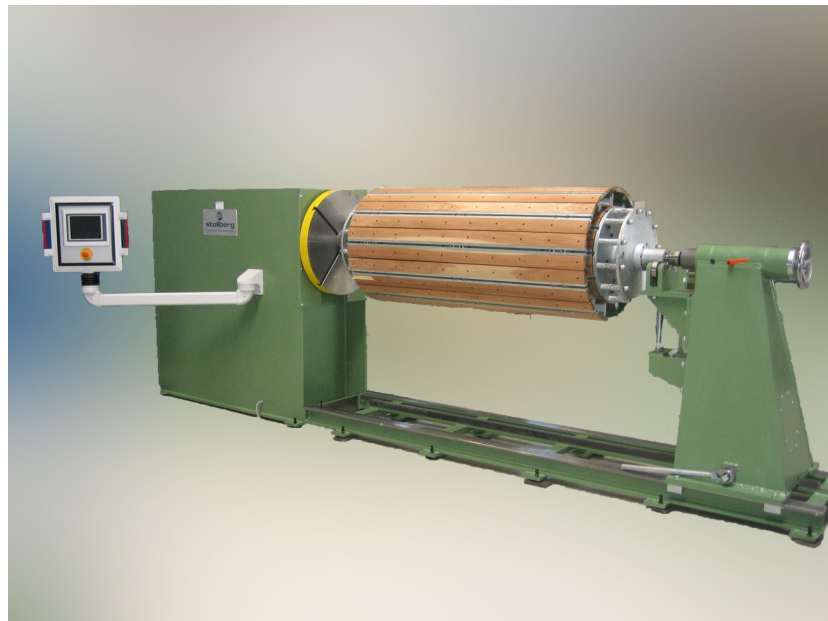
Coil Winding Machine

S400

S-series
Coil winding machines
for the production of
power transformers
and similar products

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control with a foot pedal
- Programmable start up and brake characteristics
- Freely programmable stops
- Dialog input, Touch operation

Options

- Wire bundling
- Wire brake
- Unwinder
- Expansion mandrels
- Machine bed
- Tailstock
- Guide - contact device

Technical datas

Distance between the centers	:	max.	4000	mm
Center height	:		1150/1350	mm
Load between the centers	:	max.	8000	kg
Torque	:	max.	16000	Nm
Speed	:	max.	60	1/min
Machine weight	:	approx.	3000	kg
Electr. connection	:		3 x 400	VAC
Load	:	max.	25	kW

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Technical modifications reserved

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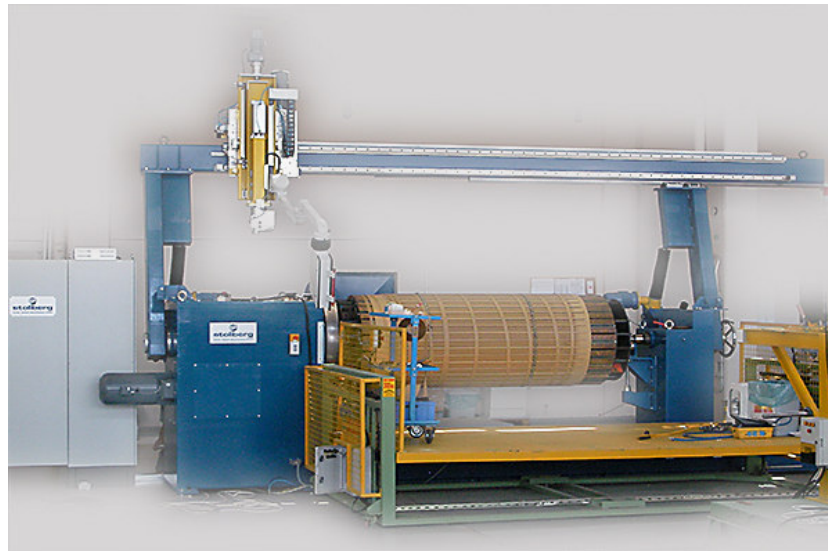
Coil Winding Machine

S500

S-series
Coil winding machines
for the production of
distributor transformers
and similar products

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control with foot pedal
- Programmable start-up and brake characteristics
- Freely programmable stops
- Dialog input, Touch operation

Options

- Wire bundling
- Wire brake
- Unwinder
- Expansion mandrel
- Machine bed
- Tailstock
- Guide – contact device

Technical Datas

Distance between the centers	:	max.	5000	mm
Center height	:		1350/1500	mm
Load between the centers	:	max.	10000	kg
Torque	:	max.	24000	Nm
Speed	:	max.	40	1/min
Machine weight	:	approx.	4000	kg
Electr. conn.	:		3x400	VAC
Load	:	max.	30	kW

Special versions of the machines described here can be produced on request.

Technical modifications reserved

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stollberg
winding – pressing - taping

Coil Winding Machine

S600

S-series
Coil winding machines
for the production of
power transformers
and similar products

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control by means of a foot pedal
- Programmable start up and brake characteristics
- Freely programmable stops
- Dialog input system, Touch operation

Options

- Wire bundling
- Wire brake
- Unwinder
- Edge strip infeed
- Expansion mandrel
- Machine bed
- Tailstock
- Conductor contact device

Technical datas

Distance between the centers	:	max.	6000	mm
Center height	:		1350/1500	mm
Load between the centers	:	max.	25000	kg
Torque	:	max.	30000	Nm
Speed	:	max.	20	1/min
Machine weight	:	approx.	5000	kg
Electr. connection	:		3 x 400	VAC
Load	:	max.	40	kW

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Technical modifications reserved

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winding – pressing – taping

Coil Winding Machine

SWM 12.5

SWM-series
Coil winding machines
for the production of
distribution and vehicle
transformers for the
simultaneous winding
of the conductors and
the insulation strips

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control by means of a foot pedal
- Programmable start up and brake characteristics
- Continuously selectable advance of the wire laying
- Continuously selectable advance of the insulation strip laying
- Freely programmable wire takeoff
- Freely programmable insulation strip takeoff
- Freely programmable stops
- Dialog input system, Touch operation

Options

- 2nd wire laying for double coils
- Core mounting
- Expansion drum
- Winding cores
- Flattner
- Overhead takeoff
- Thin wire takeoff
- Expansion mandrel

Technical datas

Center width	:	max.	2000	mm
Center height	:	max.	820	mm
Torque	:	max.	240	Nm
Speed	:	max.	600	1/min
Machine weight	:	approx.	1700	kg
Electr. connection	:		3 x 400	VAC
Load	:	max.	15	kW

Special versions of the machines described here can be produced on request.

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winding – pressing – taping

Taping machine

KGU

**Taping machine
for splash rings,
conductor bars
and other similar parts**



Standard Equipment

- steplessly selectable speed of taping ring
- steplessly selectable speed of the feed
- programmable start and stop characteristics
- dialog input system
- 2 tape supply coils on the taping ring
- taping force adjustable and constant from max diam. till min. diameter

Options

- 4 tape supply coils on the taping ring
- vertical work position for big rings

**Competence
Experience
Precision
Reliability**

**Our motto:
Reduce costs –
increase productivity**

Technical Datas

Taping ring:

Diameter : 360/500/750 mm
Speed : 0 - 250 1/min

Supply coil

Tape width : max. 40 mm
Coil diameter : max. 250 mm
Tape force : max. 10 N
Machine weight : approx. 800 kg
Electr. Conn. : 3 x 400 VAC
Load : max. 8 kW

Technical modifications reserved

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FSI stollberg
winding – pressing – taping

Foil Winding Machine

FWM-LV

FWM-LV-series
Foil winding machines
for the production of
power transformers

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control by means of a foot pedal
- Programmable start up and brake characteristics
- Freely programmable stops
- Dialog input system, Touch operation
- Edge strip unwinder

Options

- Debarring device metal strip
- Edge control, insulating tape
- 2-fold metal strip unwinder
- 2-fold insulation unwinder
- Residual strip winder
- 45° welding
- Pendulum welding
- Torch distance control
- Stand. brake metal strip Unwinder
- Separation film rewinder

Technical datas

Film width	:		600 - 1600	mm
Film thickness	:	max.	0.3 - 3.0	mm
Film takeoff	:	max.	33000	N
Coil diameter	:		600 - 1000	mm
Speed	:	max.	40	1/min
Iso tape width metal strip	:	max.	1660	mm
Iso tape width	:	max.	0.08 - 0.5	mm
Machine weight	:	max.	22000	kg
Electr. connection	:		3x400	VAC
Load	:	max.	160	kW

Special versions of the machines described here can be produced on request.

Technical modifications reserved

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winding – pressing – taping

Foil Winding Machine

FWM-HV

FWM-HV-series
Foil winding machines
for the production of
high voltage foil windings
for cast-resin dry-type
transformers

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity



Standard equipment

- Continuously selectable speed
- Speed control by means of a foot pedal
- Programmable start up and brake characteristics
- Freely programmable conductor strip takeoff
- Freely programmable insulation strip takeoff
- Freely programmable stops
- Dialog input system, Touch operation

Options

- Metal unwinder
- Insulation unwinder
- Pendulum welding
- Torch distance control

Technical datas

Film width	:	20 – 200	mm
Film thickness	:	0,04 – 2,5	mm
Film takeoff	:	5000	N
Coil diameter	:	max. 1000	mm
Speed	:	500	m/min
Machine weight	:	approx. 5000	kg
Electr. connection	:	3 x 400	VAC
Load	:	max. 80	kW

Technical design

- Constant film insulation takeoff during the winding process
- Suitable for winding two film bands over one another
- Edge control system for the film band
- Modular setup
- Touch operation complete with digital input system

Technical modifications reserved

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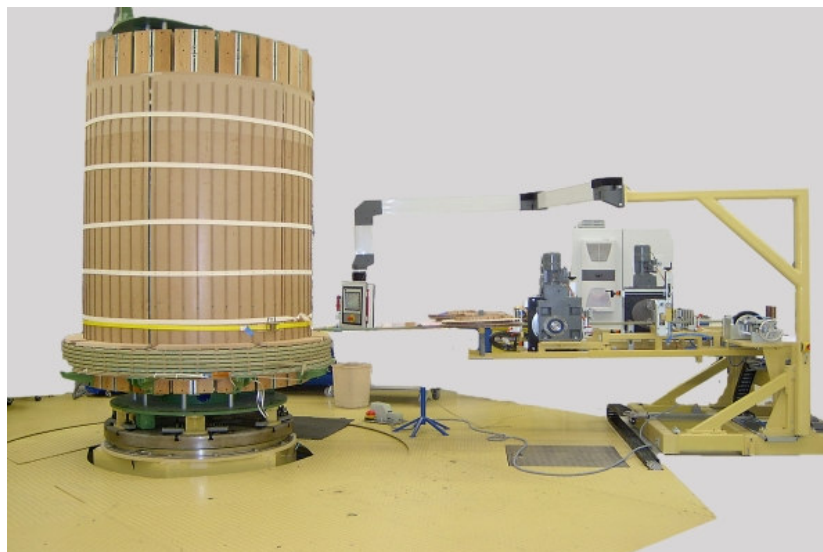
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winding – pressing – taping

Vertical Winding Machines

VWM

VWM-series
Vertical winding machines
for the production of
performance transformers
and similar products,
in vertical technology with
lower able construction



Standard equipment

- Continuously selectable speed
- Speed control by means of a foot pedal
- Programmable start up and brake characteristics
- Freely programmable stops
- Selectable advance of the lifting movement
- Dialog input system, Touch operation

Options

- Bending device
- Wire brake
- Unwinder
- Expansion mandrel
- Thrust bearing

Competence
Experience
Precision
Reliability

Our motto:
Reduce costs –
increase productivity

Technical datas

Winding diameter	:	max.	3200	mm
Lift stroke	:	max.	3600	mm
Load	:	max.	30000	kg
Torque	:	max.	24000	Nm
Speed	:	max.	25	1/min
Machine weight	:	approx.	20000	kg
Electr. connection	:		3x400	VAC
Load	:	max.	40	kW

Special versions of the machines described here
can be produced on request.

Technical modifications reserved

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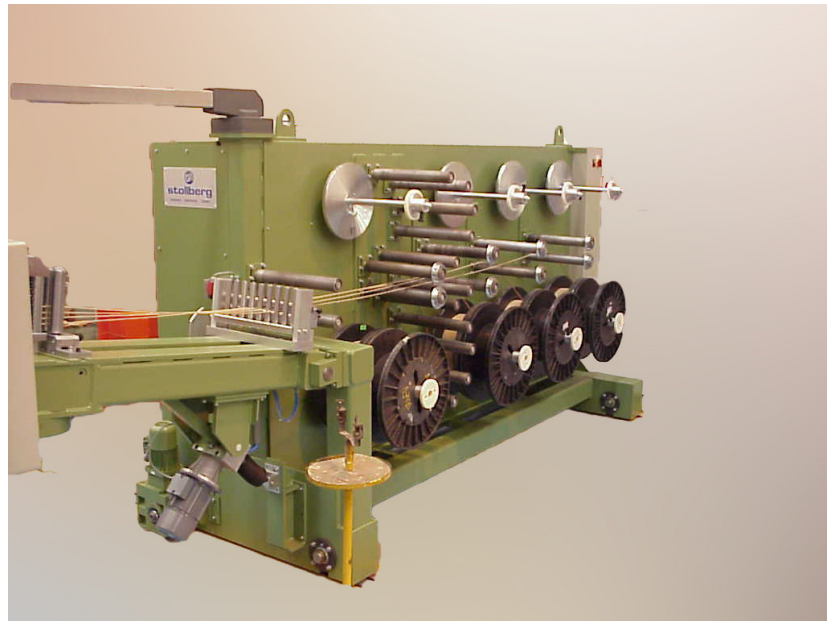
Wire Coil Unwinder

DIC-A

**Wire coil unwinder
for horizontal and vertical
wire winding machines**

**Competence
Experience
Precision
Reliability**

**Our motto:
Reduce costs –
increase productivity**



Technical datas

Supply coils

Weight	:	max. 500	kg
External dia.	:	max. 800	mm
Mounting bore	:	30 - 76	mm
Width	:	max. 350	mm
Quantity	:	max. 8	coils
Brake torque	:	max. 1000	Nm
Nec. air pressure	:	6	bar
Travelling speed	:	1	m/min
Load	:	1.5	kVA
Mains supply	:	3 x 400	VAC

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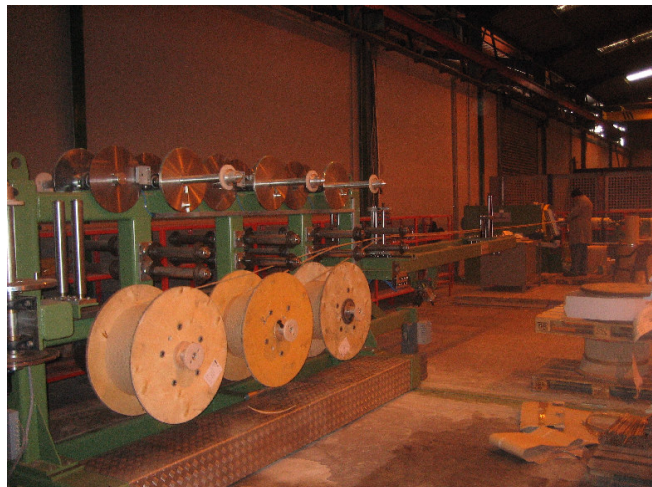
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stollberg
winding – pressing – taping

Wire Coil Unwinder

DIC-B

**Wire coil unwinder
for horizontal and vertical
wire winding machines**



Technical datas

Supply coils

Weight	:	max. 1000	kg
External dia.	:	max. 1050	mm
Mounting bore	:	50 - 76	mm
Width	:	max. 500	mm
Quantity	:	max. 12	coils
Brake torque	:	max. 1000	Nm
Nec. air pressure	:	6	bar
Travelling speed	:	1	m/min
Load	:	2	kVA
Mains supply	:	3 x 400	VAC

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winding – pressing – taping

Wire Coil Unwinder

DIC-C

**Wire coil unwinder
for horizontal and vertical
wire winding machines**



Technical datas

Supply coils

Weight	:	max. 6000	kg
External dia.	:	max. 2000	mm
Mounting bore	:	76 - 100	mm
Width	:	max. 1200	mm
Quantity	:	max. 40	coils
Brake torque	:	max. 2000	Nm
Nec. air pressure	:	6	bar
Travelling speed	:	0.5	m/min
Load	:	3	kVA
Mains supply	:	3 x 400	VAC

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winding – pressing – taping

Hydraulic coil press,
electrically heated, for the
dimensional pressing of
motor and rod coils



Standard Equipment

- Automatic temperature control
- Continuously selectable heating temperature
- Programmable heating and cooling characteristics
- Freely programmable heating time
- Dialog input, Touch operation

Options

- Protocol recording
- Variable heating beam
- Separate pressing of different segments (dual operation)

Technical data

		HSP1	HSP2	HSP3	
Pressing chamber size		50x30	80x45	120x60	mm
Press force	Horizontal	60	80	120	kN
Press force	Vertical	25	32	40	kN
Stroke	Horizontal	60	70	80	mm
Stroke	Vertical	60	70	80	mm
Power		10	20	32	kW

		HSP4	HSP5	HSP6	
Pressing chamber size		160x80	200x100	360x160	mm
Press force	Horizontal	180	250	450	kN
Press force	Vertical	60	80	120	kN
Stroke	Horizontal	120	160	160	mm
Stroke	Vertical	90	100	120	mm
Power		80	160	320	kW

Number of press units up to max. 20

Temperature range Degree C 30-280

Special versions of the machines described here
can be produced on request.

Technical modifications reserved

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Precision
Reliability**

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Reduce costs –
increase productivity**

Expansion mandrels for the mounting of winding goods for distribution transformers



Design

The diameter of the expansion mandrel is adjusted manually by means of a transmission. On the left-hand side there is a flange for mounting the face plate of the winder. On the right-hand side there is a gudgeon with center bore for the back center of the tailstock (thrust bearing) or bearing support. Parts that come into contact with the winding goods are made of insulating material.

Technical Datas

SP 100 - 400

Expansion range	:	from dia. 100 to dia. 400	mm
Winding length	:	to 1800	mm
Winding takeoff	:	to 600	N
Own weight	:	to 200	kg
Number of segments:		4	off
Parallelity	:	+/- 1	mm
Roundness	:	+/- 1	mm
Adjustment	:	manual	

Special versions of the expansion mandrels described here can be produced on request.

**Competence
Experience
Precision
Reliability**

**Our motto:
Reduce costs –
increase productivity**

Technical modifications reserved

Expansion mandrels for the mounting of winding goods for distribution – and power transformers suitable for horizontal and vertical winders



Design

The diameter of the expansion mandrel is adjusted manually by means of a transmission. On the left-hand side there is a flange for mounting the face plate of the winder. On the right-hand side there is a gudgeon with center bore for the back center of the tailstock (thrust bearing) or bearing support. Parts that come into contact with the winding goods are made of insulating material.

Technical datas

SP 400 - 3200

Expansion range	:	from dia. 400 to dia. 3200	mm
Winding length	:	from 800 to 3300	mm
Winding takeoff	:	to 8000	N
Own weight	:	to 10000	kg
Number of segments:		max. 18	off
Parallelity	:	+/- 1	mm
Roundness	:	+/- 1	mm
Adjustment	:	manual	

Special versions of the expansion mandrels described here can be produced on request.

Technical modifications reserved

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Stabilisation press

Stabilisation press for the continuous pressing in the furnace during the drying process

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increase productivity



Standard equipment

- Press height adjustable
- Press pressure freely selectable
- Suitable for hot air and Vapourface-plants

Options

- Hydraulic unit stationary
- Hydraulic unit mobile

Technical datas

Base plate	:	Ø 1200 - 3200	mm
Pressure plate	:	Ø 1200 - 3200	mm
Press height	:	1000 - 3500	mm
Press stroke	:	500	mm
Press force	:	320	t

Special versions of the machines described here can be produced on request.

Technical modifications reserved

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 **stollberg**
winding – pressing – taping