







pushing the boundaries in many areas: Cycle perfor- 40 years. "What SCHMALE does makes a lot of sense" mance, dynamics, a wide variety of technologies, servi- this are the words of a Managing Directors who has ces, project size, and sharp-wittedness in daily business. purchased a number of machines from us. Doing this we can provide highly sophisticated wire proyou an overview about what we can do for you on the YOUR own production facilities.

This catalogue represents the results of us constantly basis of technologies we have developed over the past

cessing machines for you. In this catalogue, we'll give All of these technology solutions can be implemented in

"I received the help I needed and this is the feeling I always get from **SCHMALE**!"

Let us guide you through the catalogue:

- We start with an overview of sample parts that we \cdot In the third chapter you can look behind the curtain of have reliably mastered. All these technologies can be modularly combined with others and is not limited to a specific machine concept. Please regard the technochoose the elements you require.
- If you don't find a machine that fits for your production - let us know: we'll build one especially for you.
- our control systems and our ability for excellent service. Please put us to the test.

logies as a unit assembly system from which you can The three areas of sample parts, machines and service are being constantly expanded. We would be delighted The next chapter is attended to our machine concepts. to keep you up-to-date with the latest information.

Please send us a short email or give us a call.









SAMPLE PARTS



MACHINES

GOOD TO KNOW



This part is made as left and right version





















X2000NC The Innovative	
Drives	Servo electric
Wire	\checkmark
Strip	\checkmark
Tube	\checkmark
Feed roller	\checkmark
Buffer magazine	\checkmark
Production speed	0-120 pcs./min.
Typ. wire diameter	1/16" to 1"
Typ. strip dimensions	1/4" x 2"
Free work surface	up to 26ft
Transfer system	Servo electric
Stages	max 10
	•••
Typical forces	up 700 tons
Servo drives	up to 80
Remote PLC service	\checkmark

TEST MACHINES

A test machine can be operated both as a standalone machine or in line with other machines.





The modular concept can be A pick&place system packs the used for a wide range of tasks. tested and processed parts, e.g. in trays.



A test machine can be used to realize many work processes typically associated with production. These include cleaning, measuring, labelling, turbulent flow testing, visual processes, packaging, calibration, fitting and many more.



Brushing



Dimensional Measuring



Rinsing

Finish Checking





Servoelectric feed-in roller

easy setting · adjustment while system is running · no restriction of feed-in length · profiling possible



Press with tool changer

- 40 to servo press with integrated 8-fold tool changer
- typical tool changing 0.6 seconds typical punching process 0.8 seconds



Servo electric finger benders in many variations for wire and strip.



Decoiler Coils to 3 to Ø 3/8" - 1"





Thread former

- with automatic positioning
- automatic change between thread formers
- typical thread forming process including tool change 1 second



Buffer magazine

- Cut length can be used
- low energy consumption







Headrests 10 stages, 20 ft work wall, cut tubes feeded in via magazine, 3.3 sec cycle time for ready part







Stage old V

Stage **II**

Stage **I**







TOOL SETS

3 stages, 6 ft work wall, feeded with coil material via servo electric roll feeder, 1.2 sec cycle time for ready part





swaged





SAFETY

Interfaces, controls and operating concepts are the same for all SCHMALE machines. This means less time is needed for familiarization. The seamless integration of additional functions is possible. Emphasis is placed on extendibility and simplicity.

Safety technology is always based on the most current version of the European machine guidelines. The safety of operating personnel is a priority for us. We combine high safety standards with optimum usability.











Original spare parts available at short notice.









TECHNICAL CUSTOMER SERVICE





Remote PLC Service

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ALTENA

ATLANTA

SCHMALE machines allow our customers to achieve a high level of automation and added value.

Our customers rely on the expertise of **SCHMALE** Maschinenbau GmbH for a wide range of production technologies.

Every **SCHMALE** machine enables production technologies to be combined to achieve a high level of added value. This includes wire, strip and pipe machining, delivery and aggregation of parts and quality assurance.

SCHMALE is a company that brings people together to work and coexist happily and successfully together.

