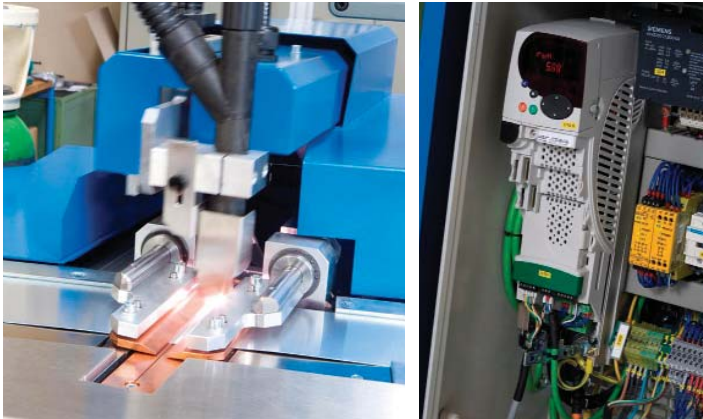


Soprem Choose Control Techniques To Be The Heart Of Their New Automatic Welder



A new Strip End Welding machine from Soprem Automation A.G. of Switzerland has a Control Techniques Unidrive SP at its heart controlling all pneumatic movements as well as the speed and current of the welding torch.

The automatic welder features in a plastic plumbing pipe production line. The plastic extrusion process requires the plastic to be heated to an extremely high temperature which can take a long time, once it has reached the correct temperature the production process must be continuous and therefore so must the aluminium strip feed.

The strip end welding machine ensures that when one roll is about to run out the operator can easily set another roll to be welded on to the end of the strip.

“A sensor on the decoiler detects when the roll is about to run out and then sounds an alarm, the operator then only needs to place the two ends to be welded together on the automatic welder and press the start button,” states Pascal Mathys, Electrical Engineer for Soprem A.G. “The whole welding process is then controlled by the Unidrive SP and the SM Applications module within it.”

The aluminium strip is clamped, cut and then moved into position all through pneumatic movement controlled by the SM Applications programming. The Unidrive SP controls the movement of the welding head across the ends of the aluminium strip, however it is vital that the weld is continuous across the whole join and there are no holes left at either end due to the starting and stopping of the weld. To ensure this is the case the current of the weld is controlled by the SM Applications module, the current starts low as the welding

head travels slowly to begin with, then across the middle section the head travels faster and the current is turned up and as the head gets close to the end it slows down and the current is again lowered.

“The Unidrive SP and SM Applications module have enabled the machine to be accurate to 0.1mm,” comments Pascal. “Using the combination of a HMI Touch Screen direct to a drive which houses all the intelligence has led to many advantages such as eliminating the requirement for an external PLC saving space and cost. Recipes for different widths and thicknesses of strip can be stored in the HMI making the machine very easy to use for the end customer.”

“The SM Applications module has also saved our electrical engineers many hours work; it used to take 30 to 40 hours to program a machine now it only takes 4 or 5” continues Pascal. “We write the program to the laptop where it is stored and then it just needs to be downloaded to the module. This has vastly reduced the amount of work required per machine.”

All of these points have been very important to Soprem in the development of this machine as it is destined for the Eastern European Market where ensuring quality performance at low cost is a must!

Soprem Automation AG, of Grenchen Switzerland, founded in 1961, specialise in producing press shop equipment and winder technology. Teams of highly skilled engineers work to provide bespoke solutions for customers worldwide.

KEY BENEFITS

- ACCURATE TO 0.1MM
- ELIMINATED PLC REQUIREMENT SAVING SPACE & COST
- REDUCED PROGRAMMING TIME
- QUALITY PERFORMANCE AT LOW COST



For further information please visit www.controltechniques.com



CONSIDER IT SOLVED™

Control Techniques Drive & Application Centres

AUSTRALIA
Melbourne Application Centre
T: +613 973 81777
controltechniques.au@emerson.com

Sydney Drive Centre
T: +61 2 9838 7222
controltechniques.au@emerson.com

AUSTRIA
Linz Drive Centre
T: +43 7229 789480
controltechniques.at@emerson.com

BELGIUM
Brussels Drive Centre
T: +32 1574 0700
controltechniques.be@emerson.com

BRAZIL
Emerson do Brazil Ltda
T: +5511 3618 6569
controltechniques.br@emerson.com

CANADA
Toronto Drive Centre
T: +1 905 201 4699
controltechniques.ca@emerson.com

Calgary Drive Centre
T: +1 403 253 8738
controltechniques.ca@emerson.com

CHINA
Shanghai Drive Centre
T: +86 21 5426 0668
controltechniques.ch@emerson.com

Beijing Application Centre
T: +86 10 856 31122 ext 820
controltechniques.ch@emerson.com

CZECH REPUBLIC
Brno Drive Centre
T: +420 541 192111
controltechniques.cz@emerson.com

DENMARK
Copenhagen Drive Centre
T: +45 4369 6100
controltechniques.dk@emerson.com

FRANCE*
Angoulême Drive Centre
T: +33 5 4564 5454
controltechniques.fr@emerson.com

GERMANY
Bonn Drive Centre
T: +49 2242 8770
controltechniques.de@emerson.com

Chemnitz Drive Centre
T: +49 3722 52030
controltechniques.de@emerson.com

Darmstadt Drive Centre
T: +49 6251 17700
controltechniques.de@emerson.com

GREECE*
Athens Application Centre
T: +0030 210 57 86086/088
controltechniques.gr@emerson.com

HOLLAND
Rotterdam Drive Centre
T: +31 184 420555
controltechniques.nl@emerson.com

HONG KONG
Hong Kong Application Centre
T: +852 2979 5271
controltechniques.hk@emerson.com

INDIA
Chennai Drive Centre
T: +91 44 2496 1123/
2496 1130/2496 1083
controltechniques.in@emerson.com

Pune Application Centre
T: +91 20 2612 7956/2612 8415
controltechniques.in@emerson.com

Kolkata Application Centre
T: +91 33 2357 5302/2357 5306
controltechniques.in@emerson.com

New Delhi Application Centre
T: +91 11 2 576 4782/2 581 3166
controltechniques.in@emerson.com

IRELAND
Newbridge Drive Centre
T: +353 45 448200
controltechniques.ie@emerson.com

ITALY
Milan Drive Centre
T: +39 02575 751
controltechniques.it@emerson.com

Reggio Emilia Application Centre
T: +39 02575 751
controltechniques.it@emerson.com

Vicenza Drive Centre
T: +39 0444 933400
controltechniques.it@emerson.com

KOREA
Seoul Application Centre
T: +82 2 3483 1605
controltechniques.kr@emerson.com

MALAYSIA
Kuala Lumpur Drive Centre
T: +603 5634 9776
controltechniques.my@emerson.com

REPUBLIC OF SOUTH AFRICA
Johannesburg Drive Centre
T: +27 11 462 1740
controltechniques.za@emerson.com

Cape Town Application Centre
T: +27 21 556 0245
controltechniques.za@emerson.com

RUSSIA
Moscow Application Centre
T: +7 495 981 9811
controltechniques.ru@emerson.com

SINGAPORE
Singapore Drive Centre
T: +65 6468 8979
controltechniques.sg@emerson.com

SLOVAKIA
EMERSON A.S
T: +421 32 7700 369
controltechniques.sk@emerson.com

SPAIN
Barcelona Drive Centre
T: +34 93 680 1661
controltechniques.es@emerson.com

Bilbao Application Centre
T: +34 94 620 3646
controltechniques.es@emerson.com

Valencia Drive Centre
T: +34 96 154 2900
controltechniques.es@emerson.com

SWEDEN*
Stockholm Application Centre
T: +468 554 241 00
controltechniques.se@emerson.com

SWITZERLAND
Lausanne Application Centre
T: +41 21 637 7070
controltechniques.ch@emerson.com

Zurich Drive Centre
T: +41 56 201 4242
controltechniques.ch@emerson.com

TAIWAN
Taipei Application Centre
T: +886 22325 9555
controltechniques.tw@emerson.com

THAILAND
Bangkok Drive Centre
T: +66 2962 2092 99
controltechniques.th@emerson.com

TURKEY
Istanbul Drive Centre
T: +90 216 4182420
controltechniques.tr@emerson.com

UAE*
Dubai Application Centre
T: +971 4 883 8650
controltechniques.ae@emerson.com

UNITED KINGDOM
Telford Drive Centre
T: +44 1952 213700
controltechniques.uk@emerson.com

USA
California Drive Centre
T: +1 562 943 0300
controltechniques.us@emerson.com

Charlotte Application Centre
T: +1 704 393 3366
controltechniques.us@emerson.com

Chicago Application Centre
T: +1 630 752 9090
controltechniques.us@emerson.com

Cleveland Drive Centre
T: +1 440 717 0123
controltechniques.us@emerson.com

Florida Drive Centre
T: +1 239 693 7200
controltechniques.us@emerson.com

Latin America Sales Office
T: +1 305 818 8897
controltechniques.us@emerson.com

Minneapolis US Headquarters
T: +1 952 995 8000
controltechniques.us@emerson.com

Oregon Drive Centre
T: +1 503 266 2094
controltechniques.us@emerson.com

Providence Drive Centre
T: +1 401 541 7277
controltechniques.us@emerson.com

Control Techniques Distributors

ARGENTINA
Euro Techniques SA
T: +54 11 4331 7820
eurotech@eurotechsa.com.ar

BAHRAIN
Ifrikhar Electrical Est.
T: +973 271 1116
ieepower@batelco.com.bh

BULGARIA
BLS - Automation Ltd
T: +359 32 968 007
info@blsaautomation.com

CENTRAL AMERICA
Mercado Industrial Inc.
T: +1 305 854 9515
rsaybe@mercadoindustrialinc.com

CHILE
Ingeniería Y Desarrollo Tecnológico S.A
T: +56 2741 9624
idt@idt.cl

COLOMBIA
Sistronic LTDA
T: +57 2 555 60 00
sistronic@telesat.com.co

CROATIA
Zigg-Pro d.o.o
T: +385 1 3463 000
zigg-pro@zg.htnet.hr

CYPRUS
Acme Industrial Electronic Services Ltd
T: +3572 5 332181
acme@cytanet.com.cy

EGYPT
Samiram
T: +202 7360849/
+202 7603877
samiramz@samiram.com

FINLAND
SKS Control
T: +358 207 6461
control@sksf.fi

HUNGARY
Control-VH Kft
T: +361 431 1160
info@controlvh.hu

ICELAND
Samey ehf
T: +354 510 5200
samey@samey.is

INDONESIA
Pt Apikon Indonesia
T: +65 6468 8979
info.my@controltechniques.com

Pt Yua Esa Sempurna Sejahtera
T: +65 6468 8979
info.my@controltechniques.com

ISRAEL
Dor Drives Systems Ltd
T: +972 3900 7595
info@dor1.co.il

KENYA
Kassam & Bros Co. Ltd
T: +254 2 556 418
kassambros@africaonline.co.ke

KUWAIT
Saleh Jamal & Company WLL
T: +965 483 2358
sjceng@almullagroup.com

LATVIA
EMT
T: +371 760 2026
janis@emt.lv

LEBANON
Black Box Automation & Control
T: +961 1 443773
info@blackboxcontrol.com

LITHUANIA
Elinta UAB
T: +370 37 351 987
sigitas@elinta.lt

MALTA
Mekanika Limited
T: +35621 442 039
mfranca@gasan.com

MEXICO
MELCSA
T: +52 55 5561 1312
melcsamx@iserve.net.mx

SERVITECK, S.A de C.V
T: +52 55 5398 9591
servitek@data.net.mx

MOROCCO
Leroy Somer Maroc
T: +212 22 354948
lsmaroc@wanadoo.pro.ma

NEW ZEALAND
Advanced Motor Control. Ph.
T: +64 (0) 274 363 067
info.au@controltechniques.com

PHILIPPINES
Control Techniques Singapore Ltd
T: +65 6468 8979
info.my@controltechniques.com

POLAND
APATOR CONTROL Sp. z o.o
T: +48 56 6191 207
drives@apator.torun.pl

PORTUGAL
Harker Sumner S.A
T: +351 22 947 8090
drives.automation@harker.pt

PUERTO RICO
Powermotion
T: +1 787 843 3648
dennis@powermotionpr.com

SAUDI ARABIA
A. Abunayyan Electric Corp.
T: +9661 477 9111
aec-salesmarketing@abunayyanguroup.com

SERBIA & MONTENEGRO
Master Inzenjering d.o.o
T: +381 24 551 605
master@eunet.yu

SLOVENIA
PS Logatec
T: +386 1 750 8510
ps-log@ps-log.si

TUNISIA
SIA Ben Djemaa & CIE
T: +216 1 332 923
bendjemaa@planet.tn

URUGUAY
SECOIN S.A.
T: +5982 2093815
secoin@secoin.com.uy

VENEZUELA
Digimex Sistemas C.A.
T: +58 243 551 1634

