



## MINIRÒ H-NET *Evo*

ISO 11607.2 VALIDATABLE ROTARY MEDICAL SEALER  
COMMUNICATION INTERFACES  
SECURSCAN DATA UPLOAD SOFTWARE

TOP NOTCH SOLUTION FOR ALL CSSD AND INDUSTRIAL COMPANIES LOOKING FOR A BASIC MEDICAL SEALER THAT FULLY COMPLIES WITH ISO STANDARDS.

### **PACKAGING PROCESS VALIDATION**

FULLY COMPLYING WITH ISO 11607-2 STANDARD AND INTERNATIONAL GUIDELINES EN-ISO TS 16775.

### **HEATSEALABLE MATERIALS**

SUITABLE FOR THE SEALING OF ALL KNOWN, SEALABLE, PRE-MADE STERILE BARRIER SYSTEMS, UNCOATED TYVEK<sup>®</sup>, AS WELL AS THE NEWEST GENERATION OF PACKAGING MATERIAL.

### **CUSTOMIZED SEAL**

CHOOSE BETWEEN VERSION WITH FLAT SEAL, SUITABLE ESPECIALLY FOR TYVEK<sup>®</sup> POUCHES AND MULTILINE SEAL, SUITABLE FOR LAMINATE AND PAPER POUCHES.

### **CUSTOMIZED ADVANCED SAFETY**

CHOOSE AMONG THE RELIABLE GANDUS SEAL WIDTHS: STANDARD MM15, ON DEMAND MM 12 OR MM 8, FOR A PERFECT SEAL STRENGTH WITH AN EASY AND SAFETY PEELABILITY.

### **COMMUNICATION INTERFACES**

USB AND RS 232 MULTIPLE INTERFACES ALLOW CUTTING EDGE COMMUNICATION WITH SEVERAL EXTERNAL DEVICES.

### **HUMAN INTERFACES**

EQUIPPED WITH USER FRIENDLY 20 CHARACTERS 4 LINES DIGITAL DISPLAY AND A WIDE AND CLEAR KEYBOARD.

### **TRACEABILITY**

FULL TRACEABILITY OF ALL SEALING PARAMETERS ON A STANDARD USB STICK.

### **USB PORT**

FULL RESPECT OF TRACEABILITY REQUIREMENTS, EXPORTING TRACEABILITY DATA ON A PEN DRIVE AND STORING THEM IN DIGITAL OR PAPER FORMAT. USB PORT ALSO ALLOWS A SIMPLE, FAST AND SAFE SEALER SOFTWARE UPDATING.

### **SECURSCAN DATA UPLOAD SOFTWARE**

SIMPLE AND SAFE DATA UPLOAD SOFTWARE TO READ THE CUSTOMIZED PACKAGING DATA AND AUTOMATICALLY SET THE SUITABLE MACHINE FUNCTION AND PARAMETERS. EXTREMELY SIMPLE INSTALLATION ON ANY PC.

### **PRINT FACILITY**

LAST GENERATION 9 DOTS MATRIX PRINTER TO PRINT ON PACKAGING ALL THE REQUESTED DATA.

### **CLEANING AND DISINFECTION**

STAINLESS STEEL ALLOW AN EASY AND EFFECTIVE CLEANING AND DISINFECTION.

### **ENERGY SAVING**

ALL GANDUS MEDICAL SEALERS ARE DESIGNED AND MANUFACTURED TO ENABLE PROCESS OPTIMIZATION, FULLY RESPECTING ENERGY SAVING EFFICIENCIES.

### **TESTING AND VALIDATION SERVICES**

GANDUS SALDATRICI OFFERS A RANGE OF TESTING AND VALIDATION SERVICES TO ENSURE SAFE AND RELIABLE DAILY MONITORING OF MEDICAL SEALING MACHINES FOR STERILIZATION POUCHES IN ACCORDANCE WITH ISO 11607.1.2 AND ASTM F1929 STANDARDS.

## MINIRÒ H-NET EVO

### ISO 11607.2 VALIDATABLE ROTARY MEDICAL SEALER COMMUNICATION INTERFACES SECURSCAN DATA UPLOAD SOFTWARE

#### TECHNICAL DATA

##### GENERAL FEATURES

STAINLESS STEEL FRAME  
PAINTED STEEL FRAME  
BUILT-IN ADJUSTABLE GUIDE  
ADJUSTABLE FREE EDGE

##### SEALING

ROTARY SEALING  
CUSTOMIZED KIND OF SEALING: FLAT OR MULTILINE  
SEALING WIDTHS: STANDARD MM15; ON DEMAND MM12/MM8  
SEALING LENGTH UNLIMITED  
SEAL DISTANCE FROM THE EDGE MM 0-35

##### HEAT SEALABLE MATERIALS

POUCHES/REELS EN 868-5  
TYVEK® POUCHES/REELS  
PAPER POUCHES EN 868-4  
GUSSETED POUCHES/REELS  
LAMINATED AL POUCHES  
PP POUCHES  
ULTRA® POUCHES/REELS

##### ISO 11607-2

SEALING VALIDATION THROUGH AUTOMATIC CRITICAL SEALING  
PARAMETERS CONTROL  
TEMPERATURE CONTROL  
FORCE CONTROL  
SPEED CONTROL  
SEALING PARAMETERS RECORDING  
SEALING PARAMETERS VISUALIZATION  
OVERHEATING TEMPERATURE PROBE  
SEALER FUNCTIONING DIAGNOSTIC AND CHECK  
ALARM/STOP TEMPERATURE TOLERANCE  $\pm 5$  °C (DIN 58953-7)  
ALARM AND STOP ADJUSTABLE TOLERANCE  
FORCE ALARM AND STOP  
SPEED/TIME ALARM AND STOP

##### DATA BASE

TEXTS SAVING  
SEALER ID SAVING  
OPERATORS / EXPIRY DATE / BATCH CODE SAVING

ERRORS/OMISSIONS EXCEPTED

#### TECHNICAL DATA

##### CERTIFICATIONS/SAFETY

UNI EN ISO 11607-2  
UNI EN 868-5  
EN ISO TS 16775  
DIN 58953-7  
DIRECTIVES 2006/42/EC-2014/30/EU-2014/35/EU  
UNI/TR 11408:2011  
MANUFACTURED IN A UNI EN ISO 9001:2015 QUALITY SYSTEM  
CERTIFIED COMPANY

##### PARAMETERS

SEALING SPEED 10 MT/MIN  
MAX SEALING TEMPERATURE 200°C  
REFERENCE SEALING FORCE 100N  
TEMPERATURE TOLERANCE  $\pm 1\%$   
FORCE RANGE 80-120N  
OVERHEATING CONTROL

##### CALIBRATION

HEATING AUTOCALIBRATION FUNCTION  
AUTOMATIC SELF CHECK OF THERMOCOUPLE BATTERY AND REMOTE  
SERVER CONDITION AT START-UP  
TEMPERATURE / FORCE / SPEED CALIBRATION

##### FUNCTIONS

MICROPROCESSOR  
MULTILANGUAGE MENU  
STARTING / PRINTING PHOTOCCELL  
SPEED ADJUSTMENT  
TEMPERATURE SETTING  
OPERATORS / BATCHES / CATALOGUES / EXPIRY DATES SETTING  
STAND BY / ENERGY SAVING  
SAFETY THERMOSTAT  
ON BOARD BATTERY FOR DATA RETENTION EVEN WITH MACHINE  
OFF  
PERIPHERIES CONDITION AND DIAGNOSTIC CHECK UP AT START-UP  
SETTINGS / MAINTENANCE PASSWORD  
DISPLAY SHUTDOWN  
ABSOLUTE / SETTABLE / MAINTENANCE COUNTER  
CLOCK AND CALENDAR FUNCTION  
BEEPER ON/OFF  
PROGRAMMED MAINTENANCE

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### ISO 11607.2 VALIDATABLE ROTARY MEDICAL SEALER COMMUNICATION INTERFACES SECURSCAN DATA UPLOAD SOFTWARE

#### TECHNICAL DATA

##### INTERFACES

DISPLAY 4 LINES 20 CHT  
MEMBRANE KEYBOARD  
PC CONNECTION  
REMOTE CONTROL VIA VNC/ETHERNET  
LABELS PRINTER  
BARCODE SCANNER  
RS 232 PORT  
USB PORT

##### BUILT-IN PRINTER FUNCTIONS

ON/OFF PRINT  
EN / CE SYMBOLS  
1 PRINT LINE  
BARCODE  
ADJUSTABLE PRINT POSITION  
STANDARD OR 180° ROTATION PRINT IMAGE  
SETTABLE PRINTING FORMATS  
SETTABLE CHARACTER DIMENSIONS  
SETTABLE PRINTING SEQUENCE  
PRODUCTION AND EXPIRY DATE  
BATCH ALPHANUMERIC CODE  
OPERATOR ALPHANUMERIC CODE  
CATALOGUE STRINGS  
POUCH PROGRESSIVE NUMBER  
POUCH AND SEALER ID  
SEALING SPEED  
SEALING TEMPERATURE  
SEALING FORCE  
SEALING REPORT PRINT

##### TRACEABILITY AND SOFTWARE

TRACEABILITY THROUGH SERIAL PORT  
TRACEABILITY THROUGH USB PEN DRIVE  
SECURSCAN DATA UPLOAD SOFTWARE

#### TECHNICAL DATA

##### EXTERNAL PERIPHERIES

LABELS PRINTER  
BARCODE SCANNER

##### LABELS PRINTER FUNCTIONS

ON/OFF PRINT  
CE SYMBOLS  
BARCODE  
LABEL DIMENSIONS SETTING  
SETTABLE PRINTING SEQUENCE  
PRODUCTION AND EXPIRY DATE  
BATCH AND OPERATOR ALPHANUMERIC CODE  
CATALOGUE STRINGS  
POUCH PROGRESSIVE NUMBER  
POUCH AND SEALER ID  
SEALING SPEED / TEMPERATURE / FORCE  
SEALING REPORT PRINT

##### POWER SUPPLY

POWER SUPPLY 100; 110/115; 230/240 VAC SINGLE PHASE  
FREQUENCY 50/60 Hz; MULTI-FREQUENCY  
AVERAGE POWER CONSUMPTION 150W\*

##### ACCESSORIES

FRONT SUPPORT TRAY  
ROLLER SUPPORT TRAY  
ROLL HOLDER  
THERMAL TRANSFER LABELS PRINTER  
BARCODE SCANNER  
SECURSCAN DATA UPLOAD SOFTWARE

##### SERVICES

SEAL STRENGTH TEST EN 868-5  
MACHINE CALIBRATION  
MAINTENANCE

##### DIMENSIONS/WEIGHTS

DIMENSIONS 554x270x222 MM / WEIGHT 18,5 KG

ERRORS/OMISSIONS EXCEPTED

\* MAY VARY DURING HEATING PHASE