

Innovaciones para su éxito

Sistema de impresión móvil



Marco Antonio Hernández

BU Marking & Installation

INTRODUCCIÓN



Desde la Ingeniería hasta la producción

Planificación ...



...rotulación ...



...preparación ...



..instalación



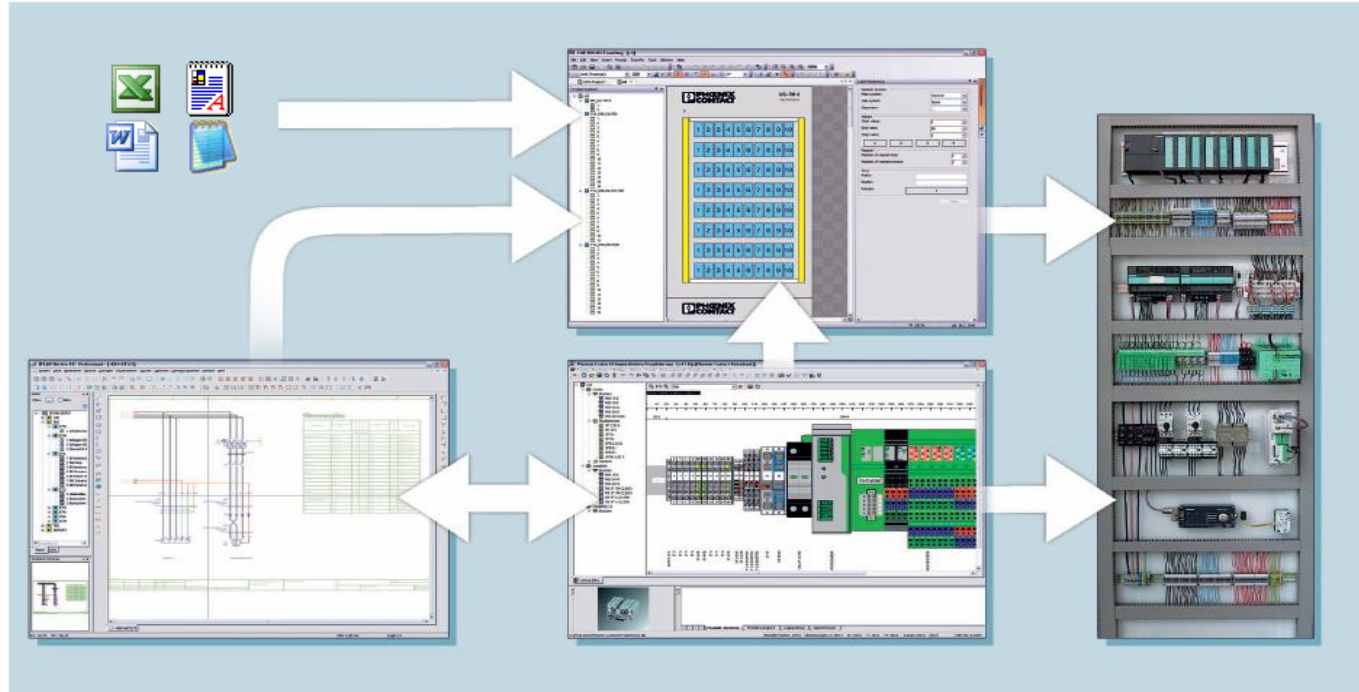
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Clip Project Advanced



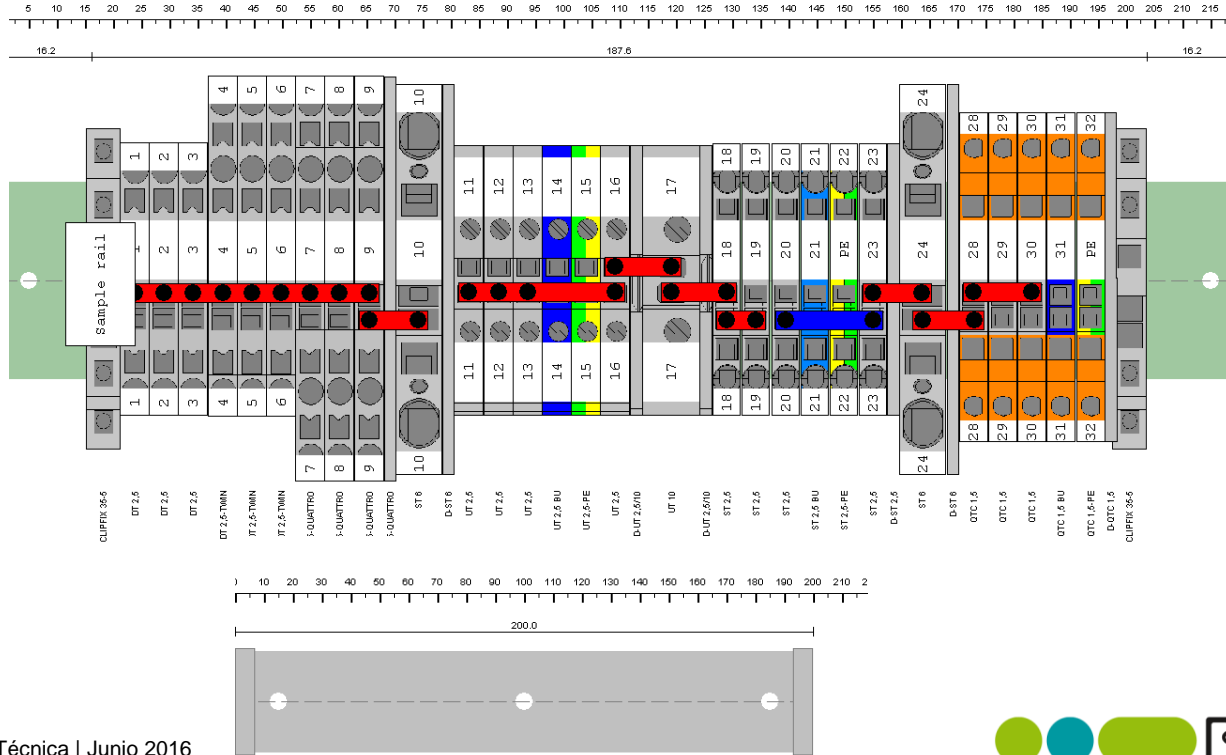
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Clip Project



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Clip Project Planning



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Clip Project Planning

Order ---

Inquiry ---

CO:

Phoenix Contact GmbH & Co. KG
Postfach 1341
Flachsmarktstrasse 8
32819 Blomberg

Tel.: 05231
Fax: 05231
E-mail: edl03@phoenixcontact.com

Delivery address:

Customer no.:
Purchase-order no.:
Supplier no.:

Purchase-order list

| Quantity | Article no. | User material no. | Designation | Required PU |
|----------|-------------|-------------------|-----------------------|-------------|
| 1 | 0801733 | | NS 35/7.5 PERF 2000MM | 1 |
| 6 | 3026272 | | URTK 6 | 1 |
| 5 | 3034659 | | DTI 2.5-PE/L/N | 1 |
| 5 | 3040847 | | ST 2.5-TWIN-TG/P | 1 |
| 3 | 3042845 | | ST 4-QUATTRO/2P | 1 |
| 1 | 3042858 | | ST 4-QUATTRO/2P-PE | 1 |
| 1 | 3042861 | | ST 4-QUATTRO/2P-BU | 1 |
| 1 | 3044076 | | UT 2.5 | 1 |
| 1 | 3044089 | | UT 2.5-BU | 1 |
| 1 | 3044180 | | UT 10 | 1 |
| 1 | 3044199 | | UT 16 | 1 |
| 1 | 3044209 | | UT 16-BU | 1 |
| 1 | 3045017 | | UT 2.5/P | 1 |
| 1 | 3045020 | | UT 2.5/P-BU | 1 |
| 1 | 3045033 | | UT 2.5/P-PE | 1 |
| 3 | 3050073 | | QTC 1.5/1P | 1 |
| 1 | 3050086 | | QTC 1.5/1P-BU | 1 |

Mounting list

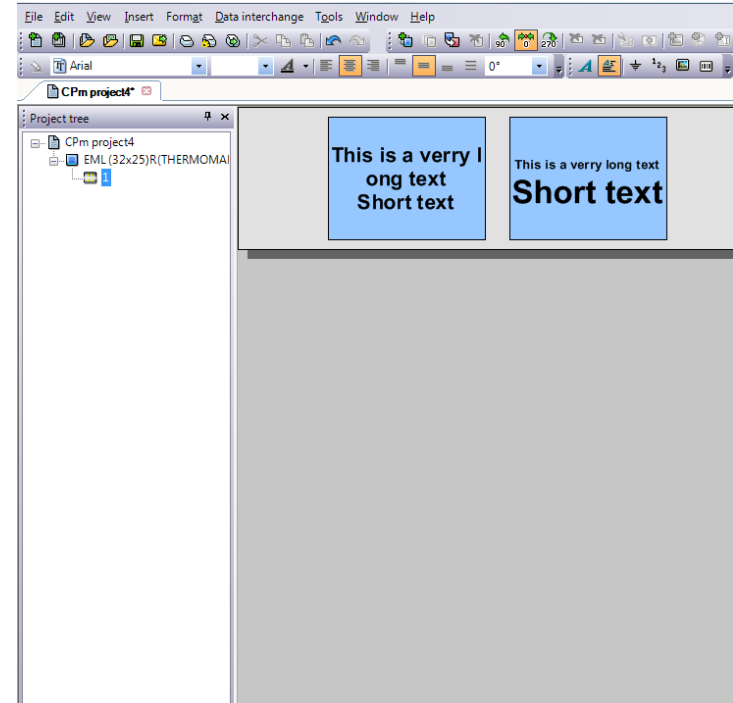
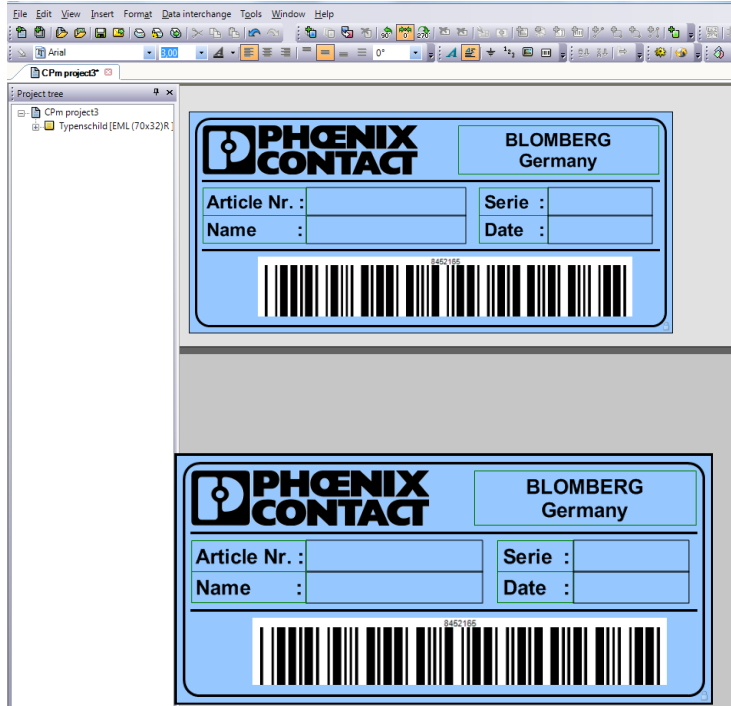
| Pos. | Terminal block no. | Article no. | User material no. | Designation | Comment |
|------|--------------------|-------------|-------------------|-----------------------|---------|
| 0 | | 0801733 | | NS 35/7.5 PERF 2000MM | |
| 1 | | 1208560 | | NS 35/7.5 CAP | |
| 2 | | 1208560 | | NS 35/7.5 CAP | |
| 3 | | | | | |
| 4 | | 3022276 | | CLIPFIX 35-5 | |
| 5 | 1 | 3026272 | | URTK 6 (NC) | |
| 6 | 2 | 3026272 | | URTK 6 (NC) (NC) | |
| 7 | 3 | 3026272 | | URTK 6 (NC) (NC) | |
| 8 | 4 | 3026272 | | URTK 6 (NC) (NC) | |
| 9 | 5 | 3026272 | | URTK 6 (NC) (NC) | |
| 10 | 6 | 3026272 | | URTK 6 (NC) (NC) | |
| 11 | | 3026340 | | D-URTK 6 | |
| 12 | 7 | 3042858 | | ST 4-QUATTRO/2P-PE | |
| 13 | 8 | 3042861 | | ST 4-QUATTRO/2P-BU | |
| 14 | 9 | 3042845 | | ST 4-QUATTRO/2P | |
| 15 | 10 | 3042845 | | ST 4-QUATTRO/2P | |
| 16 | 11 | 3042845 | | ST 4-QUATTRO/2P | |
| 17 | | 3043747 | | D-ST4-QUATTRO/2P | |
| 18 | 12 | 3040847 | | ST 2.5-TWIN-TG/P | |
| 19 | 13 | 3040847 | | ST 2.5-TWIN-TG/P | |
| 20 | 14 | 3040847 | | ST 2.5-TWIN-TG/P | |
| 21 | 15 | 3040847 | | ST 2.5-TWIN-TG/P | |
| 22 | 16 | 3040847 | | ST 2.5-TWIN-TG/P | |
| 23 | | 3040083 | | D-ST 2.5-QUATTRO/ 2P | |
| 24 | 17 | 3050099 | | QTC 1.5/1P-PE | |
| 25 | 18 | 3050086 | | QTC 1.5/1P-BU | |
| 26 | 19 | 3050073 | | QTC 1.5/1P | |
| 27 | 20 | 3050073 | | QTC 1.5/1P | |
| 28 | 21 | 3050073 | | QTC 1.5/1P | |
| 29 | | 5206322 | | D-QTC 1.5/P | |
| 30 | 22 | 3044199 | | UT 16 | |
| 31 | | 3047206 | | D-UT 16 | |
| 32 | 23 | 3044076 | | UT 2.5 | |
| 33 | | 3047028 | | D-UT 2.5/10 | |
| 34 | 24 | 3044180 | | UT 10 | |
| 35 | 25 | 3044089 | | UT 2.5-BU | |
| 36 | | 3047028 | | D-UT 2.5/10 | |
| 37 | 26 | 3044209 | | UT 16-BU | |
| 38 | | 3047206 | | D-UT 16 | |
| 39 | 27 | 3045033 | | UT 2.5/P-PE | |

g list

| Designation | Article number | Marking | Rotated |
|-------------|----------------|---------|---------|
| ST 2,5/1P | 3040012 | | 90 |
| | | 1 | 0 |
| ST 2,5/1P | 3040012 | | 90 |
| | | 2 | 0 |
| ST 2,5/1P | 3040012 | | 90 |
| | | 3 | 0 |
| ST 2,5/1P | 3040012 | U | 0 |
| | | 4 | 0 |
| ST 2,5/1P | 3040012 | C | 0 |
| | | 5 | 0 |
| ST 2,5/1P | 3040012 | - | 0 |
| | | 6 | 0 |
| ST 2,5/1P | 3040012 | T | 0 |
| | | 7 | 0 |
| ST 2,5 | 3031212 | 8 | 0 |
| | | M | 0 |
| | | 8 | 0 |
| ST 2,5 | 3031212 | 9 | 0 |
| | | 5 | 0 |
| | | 9 | 0 |
| ST 2,5 | 3031212 | 10 | 0 |

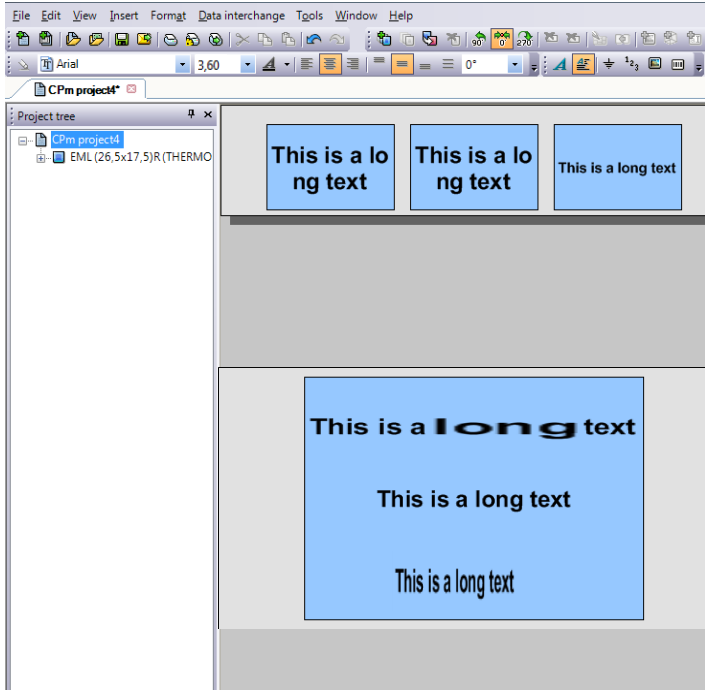
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Clip Project Planning



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Clip Project Planning



| | A | B | C | D |
|----|---------|---------|----|-------|
| 1 | Plant 1 | Motor 1 | 1 | 5,15 |
| 2 | Plant 1 | Motor 1 | 2 | 5,15 |
| 3 | Plant 1 | Motor 1 | 3 | 5,15 |
| 4 | Plant 1 | Motor 1 | 4 | 5,15 |
| 5 | Plant 1 | Motor 2 | 5 | 10,15 |
| 6 | Plant 1 | Motor 2 | 6 | 10,15 |
| 7 | Plant 1 | Motor 2 | 7 | 10,15 |
| 8 | Plant 1 | Motor 2 | 8 | 10,15 |
| 9 | Plant 1 | Motor 2 | 9 | 10,15 |
| 10 | Plant 2 | Motor 3 | 10 | 6,15 |
| 11 | Plant 2 | Motor 3 | 11 | 6,15 |
| 12 | Plant 2 | Motor 3 | 12 | 6,15 |
| 13 | Plant 2 | Motor 3 | 13 | 6,15 |
| 14 | Plant 2 | Motor 4 | 14 | 3,5 |
| 15 | Plant 2 | Motor 4 | 15 | 3,5 |
| 16 | Plant 2 | Motor 4 | 16 | 3,5 |
| 17 | Plant 2 | Motor 4 | 17 | 3,5 |
| 18 | Plant 2 | Motor 4 | 18 | 3,5 |
| 19 | Plant 2 | Motor 5 | 19 | 16,2 |
| 20 | Plant 2 | Motor 5 | 20 | 16,2 |
| 21 | Plant 2 | Motor 5 | 21 | 16,2 |
| 22 | Plant 2 | Motor 5 | 22 | 16,2 |

| | A | B | C | D |
|----|---------|---------|----|-------|
| 1 | Plant 1 | Motor 1 | 1 | 5,15 |
| 2 | | | 2 | 5,15 |
| 3 | | | 3 | 5,15 |
| 4 | | | 4 | 5,15 |
| 5 | | Motor 2 | 5 | 10,15 |
| 6 | | | 6 | 10,15 |
| 7 | | | 7 | 10,15 |
| 8 | | | 8 | 10,15 |
| 9 | | | 9 | 10,15 |
| 10 | Plant 2 | Motor 3 | 10 | 6,15 |
| 11 | | | 11 | 6,15 |
| 12 | | | 12 | 6,15 |
| 13 | | | 13 | 6,15 |
| 14 | | Motor 4 | 14 | 3,5 |
| 15 | | | 15 | 3,5 |
| 16 | | | 16 | 3,5 |
| 17 | | | 17 | 3,5 |
| 18 | | | 18 | 3,5 |
| 19 | | Motor 5 | 19 | 16,2 |
| 20 | | | 20 | 16,2 |
| 21 | | | 21 | 16,2 |
| 22 | | | 22 | 16,2 |

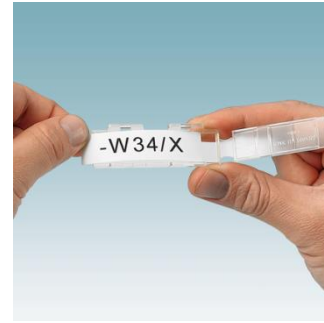
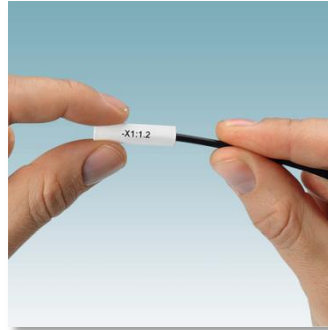
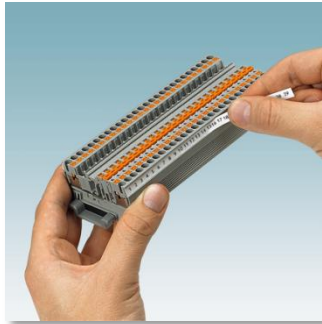
| | A | B | C | D |
|----|---------|---------|----|-------|
| 1 | Plant 1 | Motor 1 | 1 | 5,15 |
| 2 | | | 2 | 5,15 |
| 3 | | | 3 | 5,15 |
| 4 | | | 4 | 5,15 |
| 5 | | Motor 2 | 5 | 10,15 |
| 6 | Plant 1 | | 6 | 10,15 |
| 7 | | | 7 | 10,15 |
| 8 | | | 8 | 10,15 |
| 9 | | | 9 | 10,15 |
| 10 | Plant 2 | Motor 3 | 10 | 6,15 |
| 11 | | | 11 | 6,15 |
| 12 | | | 12 | 6,15 |
| 13 | | | 13 | 6,15 |
| 14 | | Motor 4 | 14 | 3,5 |
| 15 | | | 15 | 3,5 |
| 16 | | | 16 | 3,5 |
| 17 | Plant 2 | | 17 | 3,5 |
| 18 | | | 18 | 3,5 |
| 19 | | Motor 5 | 19 | 16,2 |
| 20 | | | 20 | 16,2 |
| 21 | Plant 2 | | 21 | 16,2 |
| 22 | | | 22 | 16,2 |



| Plant 1 | | | | | | | | | Plant 2 | | | | | | | | | | | | |
|---------|---|---|---|---------|---|---|---|---|---------|----|----|---------|----|---------|----|----|----|----|----|----|----|
| Motor 1 | | | | Motor 2 | | | | | Motor 3 | | | Motor 4 | | Motor 5 | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |

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Soluciones en rotulación



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Soluciones en rotulación



SIEMENS

 **finder®**

Schneider
Electric

MOELLER 

BECKHOFF

LITZE 
SYSTEMATIC TECHNOLOGY



PHOENIX
CONTACT



Allen-Bradley

MURR
ELEKTRONIK

Lumberg 

TURCK

Weidmüller 

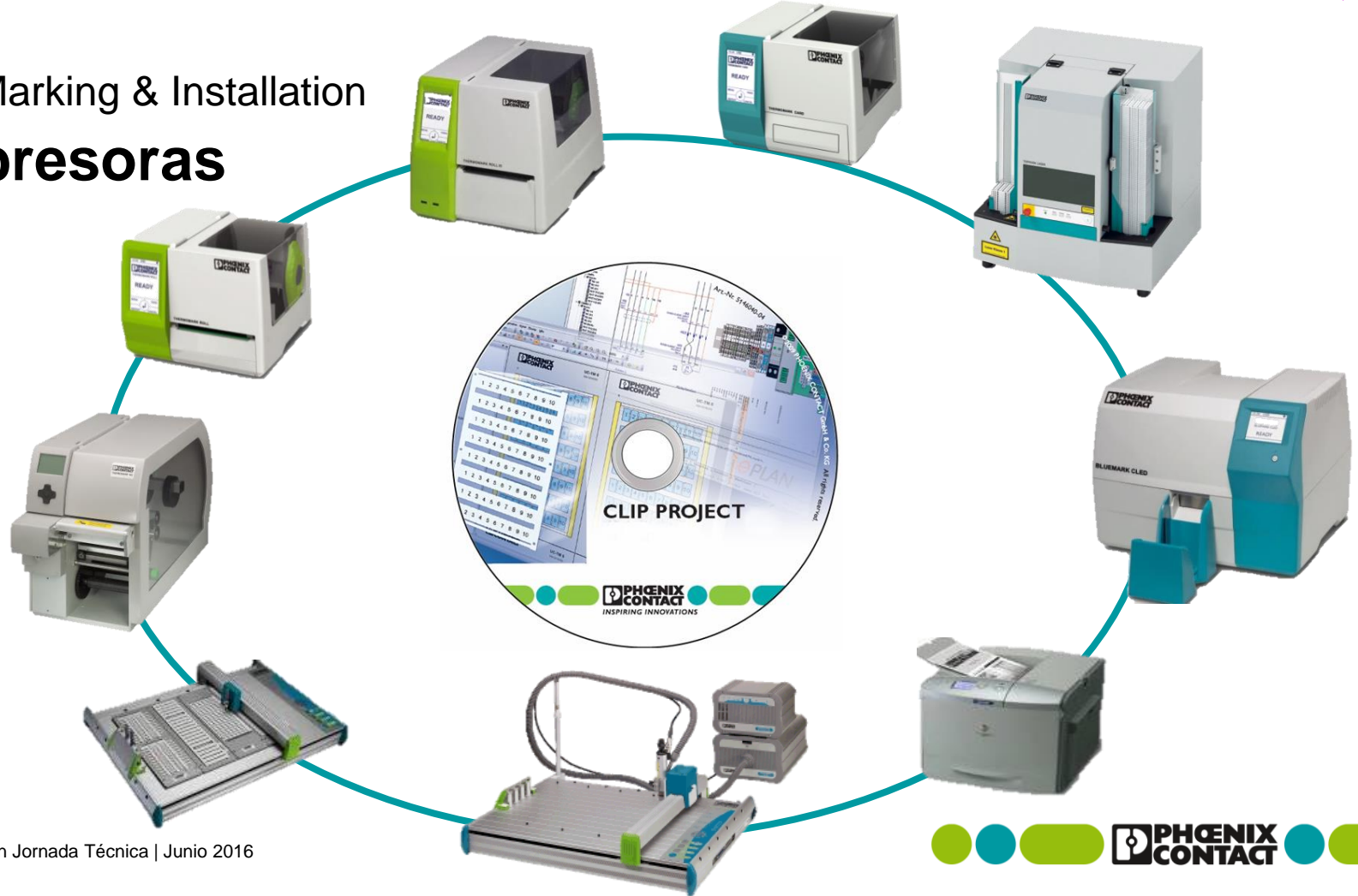
 **PEPPERL+FUCHS**

WAGO®



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Impresoras



BU Marking & Installation

THERMOMARK PRIME



THERMOMARK PRIME

Aplicaciones

- Cuadristas
- Fabricantes de maquinaria
- Instalación y mantenimiento



BU Marking & Installation

THERMOMARK PRIME



Software Integrado

- CPm integrado
- Intuitivo
- Reconocimiento de material

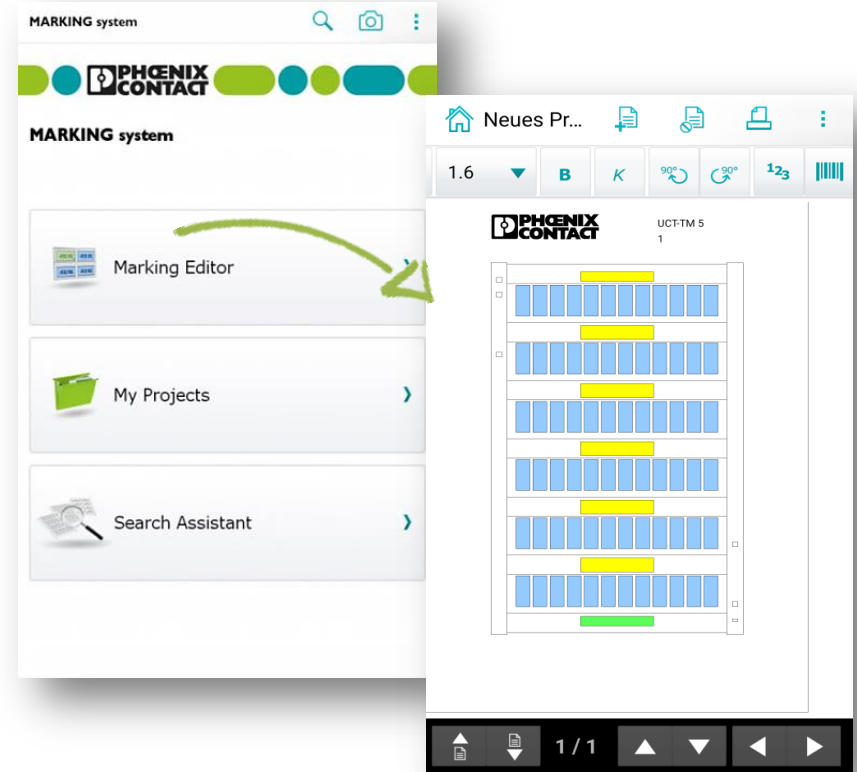
Energía A bordo

- 500 impresiones/carga
- 6 h autonomía de trabajo
- 7 h en espera

THERMOMARK PRIME

Software

- El editor de rotulación que incorpora ofrece la posibilidad de imprimir todos los materiales disponibles de UCT, US y UM. No es necesario un PC adicional.
- Simbolos, fuentes, altura de texto, rotación de texto, autonumeración y códigos de barras.



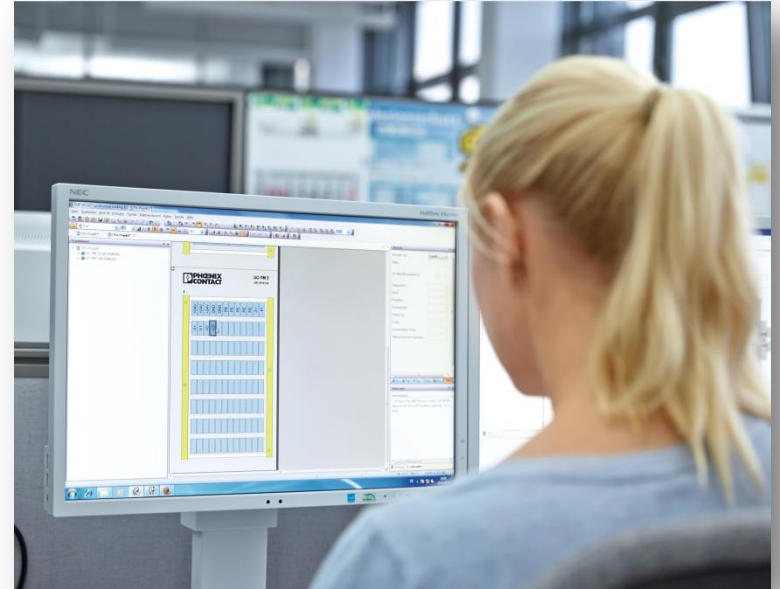
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THERMOMARK PRIME

Importar proyectos CPM

Crea proyectos en CPM e imprímelos posteriormente en campo

- Posibilidad de importar proyectos via USB o SDHC
- No es posible editar proyectos de CPM en la aplicación de la impresora



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THERMOMARK PRIME

Exporta proyectos TMP

Crea proyectos en TMP e imprímelos posteriormente en CPM

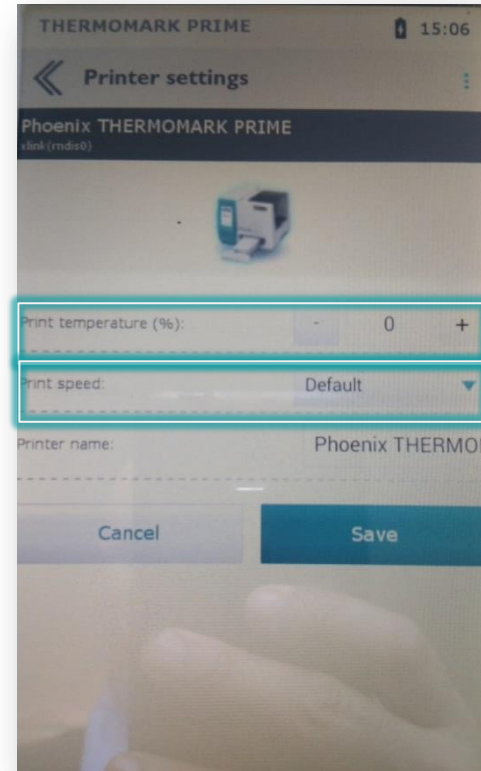
- Posibilidad de exportar proyectos via USB o SDHC
- Es posible editar proyectos de TMP en CPM



THERMOMARK PRIME

Ajustes

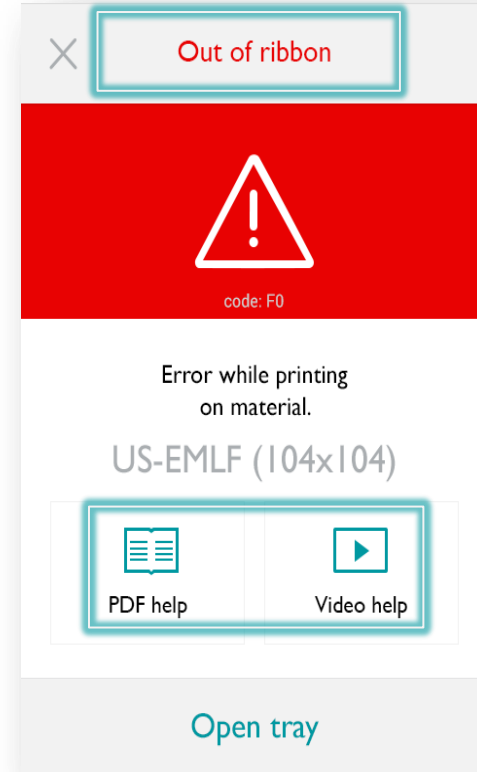
- Posibilidad de realizar ajuste de impresión para todos los materiales (-9,9 to +9,9mm)
- Ajuste de temperatura (-15% to +15%)
- Ajustes de velocidad de impresión (30,00 to 127,00 mm/sec.)



THERMOMARK PRIME

Mensajes en pantalla

- La impresora ofrece información acerca del material y el soporte adecuado para realizar la impresión
- Manuales y videos integrados para la resolución de errores comunes y habituales



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THERMOMARK PRIME

Interconexión

- Imprime y crea proyectos para
 - THERMOFOX
 - THERMOMARK LINE
- Conexión mediante cable USB o adaptador Bluetooth



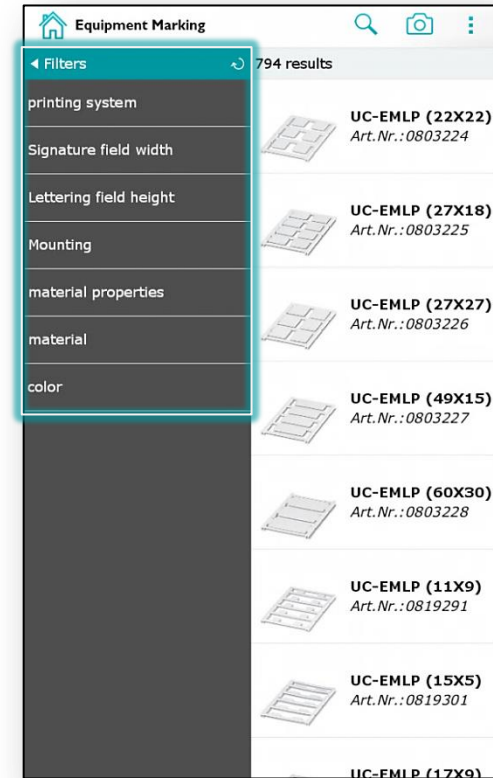
THERMOMARK PRIME

Selección de material

Posibilidad de realizar búsquedas de material gracias a su asistente integrado

El cliente puede realizar búsquedas de material por:

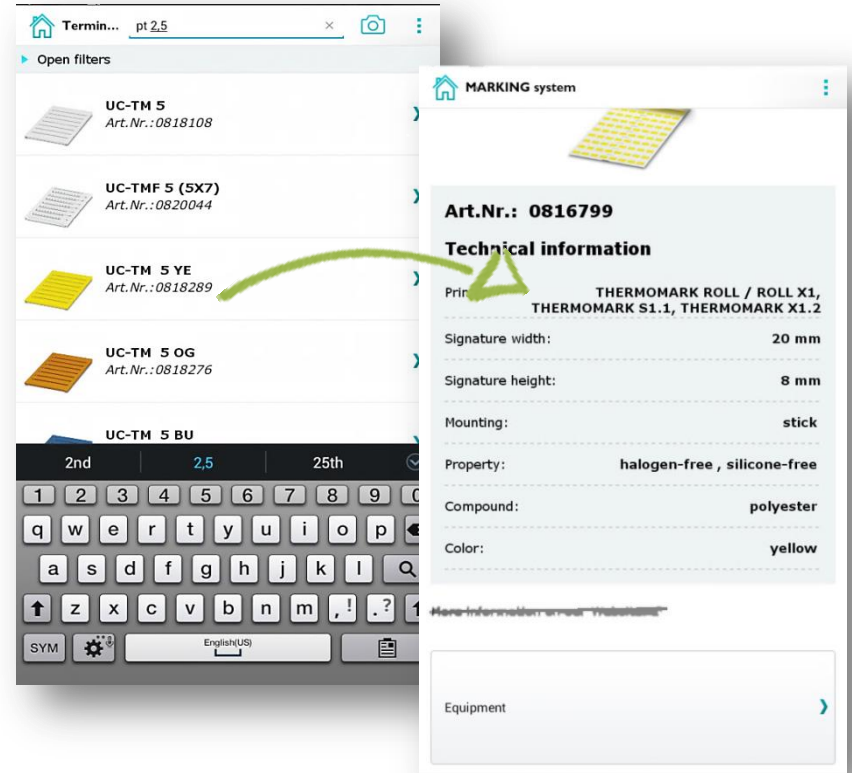
- Aplicación
- Sistema de impresión
- Tamaño, color, material
- Etc...



THERMOMARK PRIME

Búsqueda de materiales

- Búsqueda inteligente según designación de borne
- Información técnica incluida en los materiales de marcado



THERMOMARK PRIME

Reconocimiento de material

La TMP reconoce todos los materiales

- Evita una combinación errónea entre material, soportes y tinta.
- Reduce costes, tiempo y pérdidas de material.
- Calidad de impresión garantizada



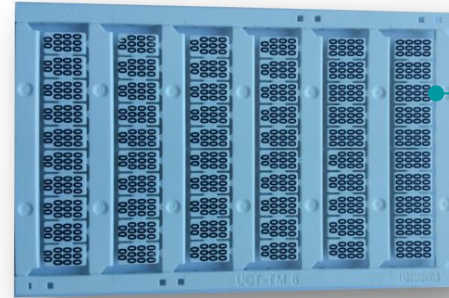
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THERMOMARK PRIME

Bateria

Una carga completa de batería ofrece:

- 500 impresiones sobre UCT-TM 6 con el 15% de intensidad
- Introducción de datos durante 6 horas
- Tiempo de espera, stand by 7 horas



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THERMOMARK PRIME

Bateria inteligente

Podemos conocer el nivel de carga mediante un led que incorpora la batería

- Verde – Carga completa
- Naranja – <70% capacidad
- Rojo – <30% capacidad

Cambio de batería fácil y rápido



BU Marking & Installation

THERMOMARK PRIME

Reconocimiento automático

Por código de barras

Control del consumible

Covertor transparente para ver el nivel de tinta







Sustitución rápida

En menos de 10 segundos



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THERMOMARK PRIME

|  | Length [m] | UCT | US- EM(L)P WH* | US- EM(L)P Color* | US- WML* | US- EML* | US- EMLF/ PML* |
|--|------------|-----|----------------|-------------------|----------|----------|----------------|
| TMP-RIBBON 110 BK 100 | 70 | | | | | | |
| TMP-RIBBON 110 BK 101 | 60 | | | | | | |
| TMP-RIBBON 110 BU 100 | 60 | | | | | | |
|  TMP-RIBBON 110 GN 100 | 60 | | | | | | |
|  TMP-RIBBON 110 RD 100 | 60 | | | | | | |
|  TMP-RIBBON 110 WH 100 | 60 | | | | | | |
|  TMP-RIBBON 110 YE 100 | 60 | | | | | | |
|  | | | | | | | |

Para grandes areas y logos

BU Marking & Installation

THERMOMARK PRIME

USB

- Conectar otra impresora
- Para conectar teclado externo o ratón



BU Marking & Installation

THERMOMARK PRIME

MOBILE BACKPACK

- Ofrece la posibilidad de imprimir de forma rápida y cómoda
- Diseño adaptado a la impresora y consumibles
- Compartimentos a medida: tinta, soportes, materiales, etc...



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THERMOMARK PRIME

