

The cutting list and working list creation and optimization software.

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ProDuction Plus, the software that makes it quick and easy to create cutting and processing lists directly from the technical office.

ProDuction Plus is the ideal solution for door and window manufacturers and for all those industrial manufacturers who need to quickly create a cutting list: by entering the measurements, and possibly working with production rules, or by creating parametric items and assigning parameter values.

The software quickly creates a list of parts to be produced, starting from aluminium bars of different sizes, it is very flexible and does not require a complex structure of data and archives.

It was created to create cutting and processing lists on all FOM machines: cutting-off machines, machining centres, cutting lines and cutting and working lines. It is also easily adaptable in those contexts that also use machines from other manufacturers.

ProDuction Plus is the fastest way to get from the technical office to the machine with cutting lists, without having to enter values or reinterpret them: in fact, there is not an equally immediate program on the market to easily create a cutting and processing list for many pieces with case different studies.

The screenshot displays the ProDuction Plus 4.2.0.213 software interface. The main window shows a tree view on the left with a selected item 'F1A: Finestra un Anta [1]'. The central area contains a table with variables and values, and a detailed cutting list table at the bottom. A small image of a window frame is visible in the bottom left corner.

Variable	Valore	Descrizione
HW	1700	Altezza
LW	1000	Larghezza

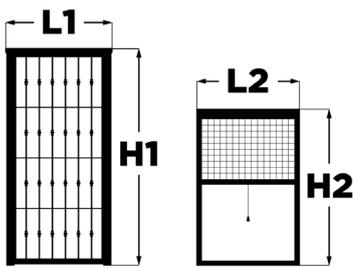
Marca	Serie	Codice	Colore Int.	Colore Est.	Lungh.	L. Int.	L. Est.	Ang. Sx	Ang. Dx	Codice a barre	Qt.
Demo	Serie Demo	telaioZ	GRZ	GRZ	1700	1566	1700	45	45	65	2
Demo	Serie Demo	telaioZ	GRZ	GRZ	1000	866	1000	45	45	66	2
Demo	Serie Demo	apribileComp	GRZ	GRZ	900	794	900	45	45	67	2
Demo	Serie Demo	apribileComp	GRZ	GRZ	1600	1494	1600	45	45	68	2

Macchina: LMT65

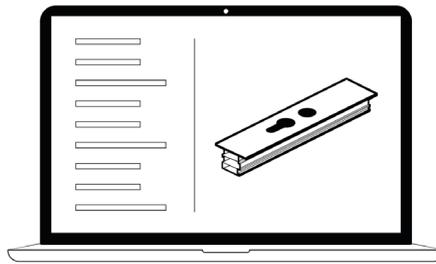
Main benefits

- It makes it very easy to create a cutting and processing list, without having particularly complex archives
- Optimise the material by minimising waste
- Easy to use
- What you see is what you get: visualization of 3D graphics
- Allows you to run the same cutting and processing list on multiple machines
- Integrable with ERP.

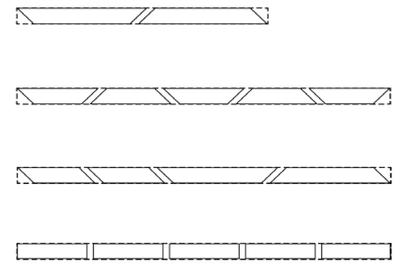
Parametric item management



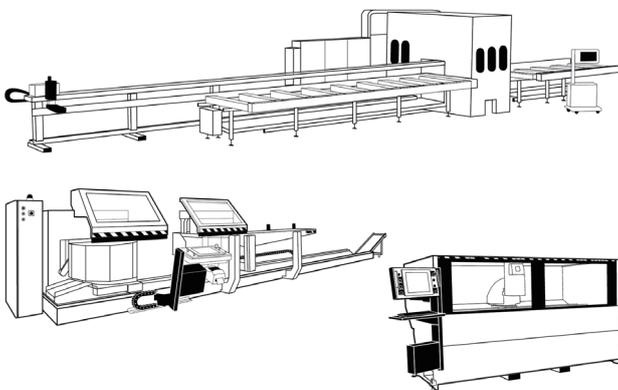
Creation of cutting lists and working lists



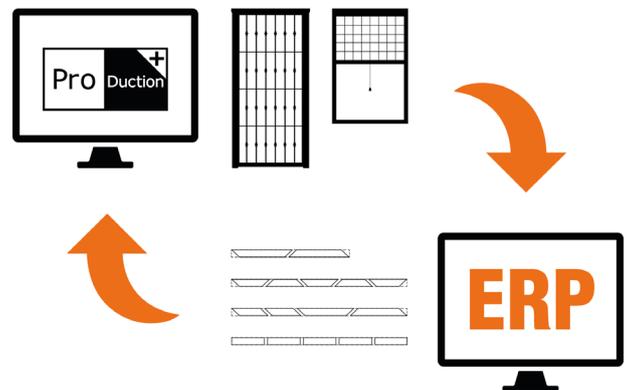
Cutting list optimization



Runs on different types of machines



ERP integration



Creation of cutting lists and processing

ProDUCTION Plus allows you to easily create a list of parts:

- can be set manually by entering the dimensions and selecting the type of profile
- workpieces can be inserted as macros if necessary, also using repetition rules and formulas
- the 3D visualization of the piece with the workmanship immediately makes the result evident.

The screenshot displays the ProDUCTION Plus 4.2.0.213 software interface. The top menu bar includes options like Nuovo, Apri, Salva, Ottimizza, Esporta, Importa, Archivio, and Strumenti. The main workspace shows a cutting list for 'Lotto_21-11-2019-09_47 [1]' with a tree view containing 'Commissa default [1]', 'Articolo default [1]', and '1 - EXLP7004 - 1148 [1]'. A table below the tree lists the parts:

Nome	Posizione X	Stato	Ripetizioni
Foro Fissaggio	100	1	D (150:1048)

Technical specifications for the selected part are shown in the top right: Marca: EXLABESA, Serie: QUIET Comfort 70, Codice: EXLP7004, Lunghezza max: 1148 mm, Lunghezza interna: 1000 mm, Lunghezza esterna: 1148 mm, Angolo sinistro: 45°, Angolo destro: 45°, Angolo beta sx: 90°, Angolo beta dx: 90°, Colore interno: GRZ, Colore esterno: GRZ, and Quantità: 1. A 3D model of the profile is shown in the center.

A 'Nuova macro' dialog box is open, showing a list of macros on the left: 'Asola' and 'Foro Fissaggio'. The 'Foro Fissaggio' macro is selected, and its parameters are displayed on the right:

- Nome macro: Foro Fissaggio
- Posizione X: [input field]
- Stato: 1
- Tipo: Nessuna ripetizione
- Passo: [input field]
- Numero ripetizioni: [input field]

A 3D visualization of the 'Foro Fissaggio' macro is shown at the bottom right of the dialog box. The interface also includes a 'Macchina: LMT65' label and a coordinate system (X, Y, Z) for 3D viewing.

Cutting list optimization

Once the parts list is created, ProDuction Plus allows you to optimize the cutting list:

- using both new bars and blanks
- using various optimization options (search for the best bar/use of bars of different lengths / optimizing for packs of profiles to be cut together).

ProDuction Plus 4.2.0.215

Lista Ottimizzata

Marca : Demo
Serie : Serie Demo
Codice : apribileComp

Lunghezza: 6500 mm
Lung. rimanente: 1.72 mm

Colore interno:
Colore esterno:

Pezzo	Marca	Serie	Codice	Colore Int.	Colore Est.	Lungh.	L. Int.	L. Est.	Ang. Sx	Ang. Dx	Codice a barre
9	Demo	Serie Demo	apribileComp			1165	1059	1165	45	45	9
16	Demo	Serie Demo	apribileComp			815	709	815	45	45	16
10	Demo	Serie Demo	apribileComp			965	859	965	45	45	10
10	Demo	Serie Demo	apribileComp			965	859	965	45	45	10
15	Demo	Serie Demo	apribileComp			341.67	235.67	341.67	45	45	15
15	Demo	Serie Demo	apribileComp			341.67	235.67	341.67	45	45	15
9	Demo	Serie Demo	apribileComp			1165	1059	1165	45	45	9
15	Demo	Serie Demo	apribileComp			341.67	235.67	341.67	45	45	15
15	Demo	Serie Demo	apribileComp			341.67	235.67	341.67	45	45	15

Macchina: LMT65

Lista ottimizzata

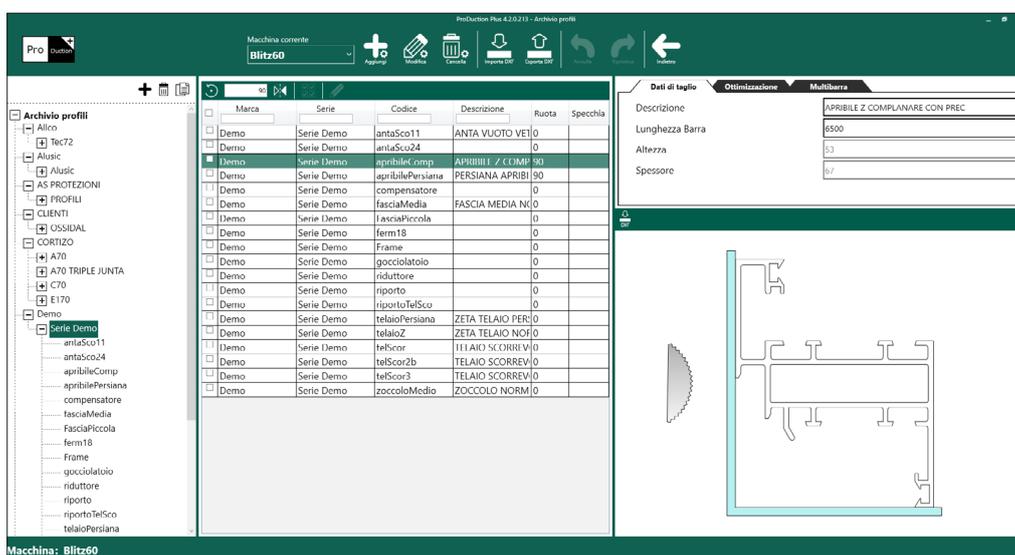
Lotto: Lotto_21-11-2019-10_21
Creazione: 21/11/2019

Profilo	Colore	Qt.	Spezzone Utilizzo
Frame	VRD - VRD	2	
407 407 1000 1000 1000 407 407			64.4 6435.6
1000 407			485.8 1614.2
telaioPersiana	GRZ - GRZ	8	
406.00958 406.00958 1056.00958 1056.00958 1056.00958 899.99958 406.00958			49.0 6450.6
1056.00958 406.00958 1056.00958 1056.00958 406.00958 406.00958 406.00958			86.4 6413.6
1056.00958 1056.00958 1056.00958 1056.00958 1056.00958			497.6 6042.4
406.00958 406.00958			592.8 1121.2

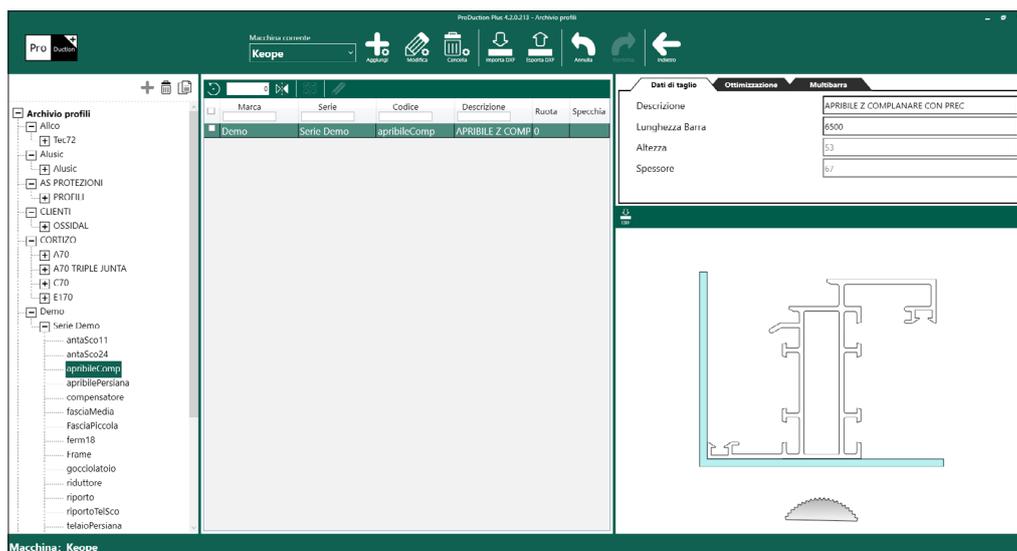
Create the list once, run everywhere: integration with all FOM machines

One of the biggest advantages of ProDUCTION Plus is the creation, from a single point, of a cutting and processing list that can be sent to machines of different types:

- making best use of the features of each machine
- sending data and reading macro data from all FOM machines with all the latest software
- adapting the software, when other manufacturers' machines are present in the workshop.



Profile on Blitz60 machine



Same profile on Keope machine

Process simplification and minimization of material waste

ProDuction Plus simplifies production organization:

- with a profile archive
- with a macro archive (in which to insert repetitions, repeated copies of the same piece, etc.)
- with an archive of cutting stock, to optimize using these shorter bars (significantly reducing material waste).

Management of parametric items

It manages parametric articles and creates a library of articles where (for example in a desk):

- by changing the dimensional variables, the types and sizes of the pieces needed to produce the article are automatically calculated
- by entering the quantity, the production order is then created in a very simple way.

The screenshot displays the ProDuction Plus software interface. The top bar shows the ProDuction logo and navigation buttons (Annulla, Ripetizioni, Indietro). The main window is titled "ProDuction Plus 4.2.0213 - Archivio articoli".

On the left, there is a tree view under "Archivio articoli" showing a hierarchy of shower cabin configurations: "Cabina doccia 1" (with sub-items 40x20, 40x21, 40x22), "Cabina doccia Lux" (with sub-items 40x20, 40x21, 40x22), and "Cabina doccia Star" (with sub-items 40x20, 40x21, 40x20, 40x22). Below the tree is a small image of a shower cabin.

The main area shows the configuration for "Cabina doccia 1" (ID: 22). It features a table of variables and their default values:

Variabile	Valore default	Descrizione
HC	1800	Altezza
LC	1200	Ampiezza
WC	800	Larghezza

Below this table is a large empty area for additional configuration. At the bottom, there is a table with columns: Marca, Serie, Codice, Colore Int., Colore Est., Formula lunghezza, Ang. Sx, Ang. Dx, Codice a barre, and Qt. The table contains three rows of data:

Marca	Serie	Codice	Colore Int.	Colore Est.	Formula lunghezza	Ang. Sx	Ang. Dx	Codice a barre	Qt.
Doccia	Profilo	40x20	GRZ	GRZ	HC	90	90		1
Doccia	Profilo	40x21	GRZ	GRZ	LC	90	90		1
Doccia	Profilo	40x22	GRZ	GRZ	LC	90	90		1

At the bottom left, the text "Macchina: LMT65" is visible.



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