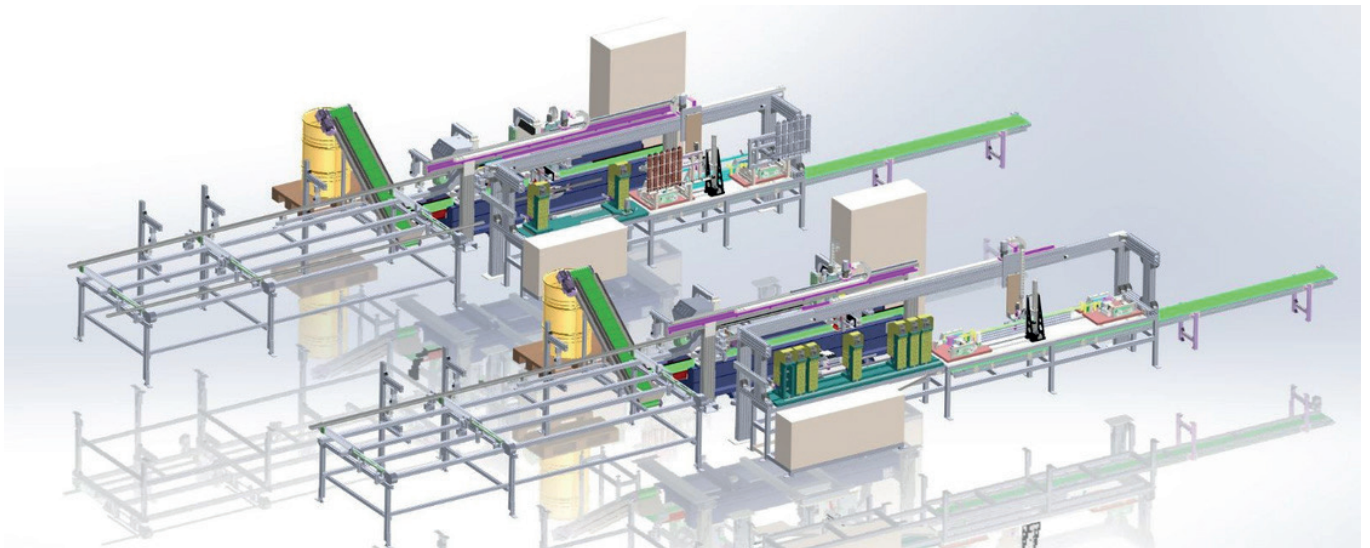


The logo for Nexus Technica features the word "Nexus" in a bold, blue, sans-serif font. A red chevron shape is integrated into the letter 'x'. Below "Nexus", the word "TECHNICA" is written in a smaller, blue, all-caps, sans-serif font. A registered trademark symbol (®) is located at the top right of the word "Nexus".

Nexus[®]
TECHNICA

nexustechnica.com

AUTOMATIC SOLAR PANEL FRAME PRODUCTION LINE



AUTOMATIC SOLAR PANEL FRAME PRODUCTION LINE;

Designed with innovative design and high efficiency, this self-amortizing production line is intended to produce solar panel frames more efficiently and economically.

This system, providing long-term benefits, creates a continuous source of income for businesses

AUTOMATIC SOLAR PANEL FRAME PRODUCTION LINE

The total dimensions are 10000x20000 mm.

The automatic solar panel line is divided into two parts: long and short lines.

It produces one short and one long profile every 5.5 seconds.

The line operates with 5 operators.

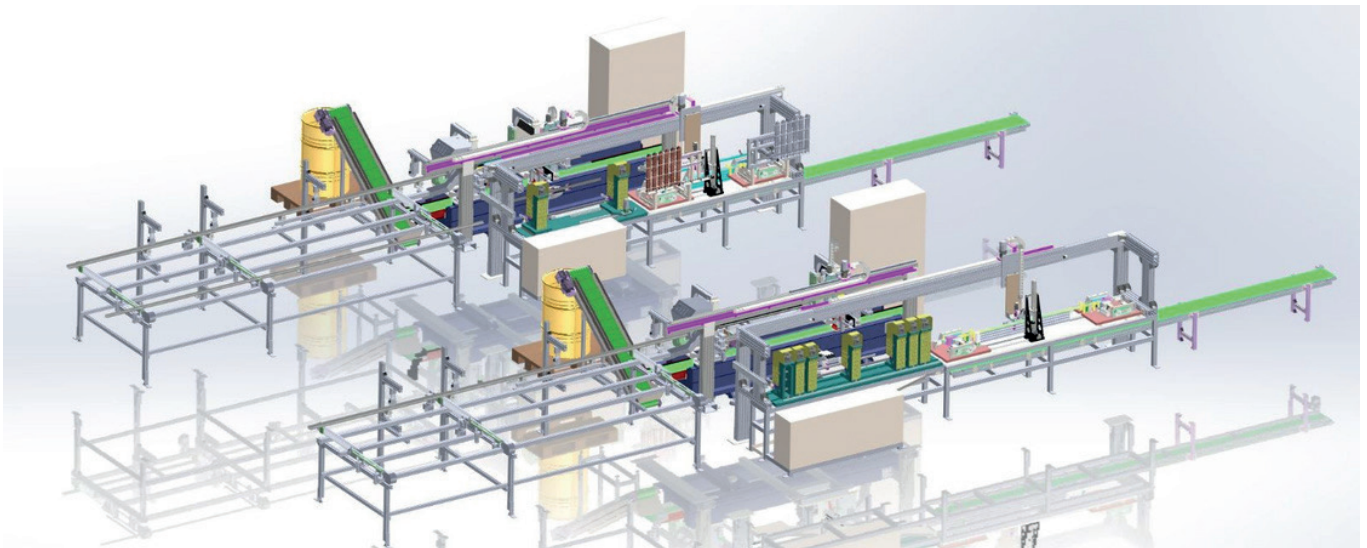
A remote access module is available on the line.

LONG EDGE PRODUCTION LINE

Capable of receiving raw material profiles up to 7 meters in length

Any angle can be cut with double heads.

Profiles are cleaned and stacked with operator assistance.



SHORT EDGE PRODUCTION LINE

Capable of receiving raw material profiles up to 7 meters in length.

Any angle can be cut with double heads.

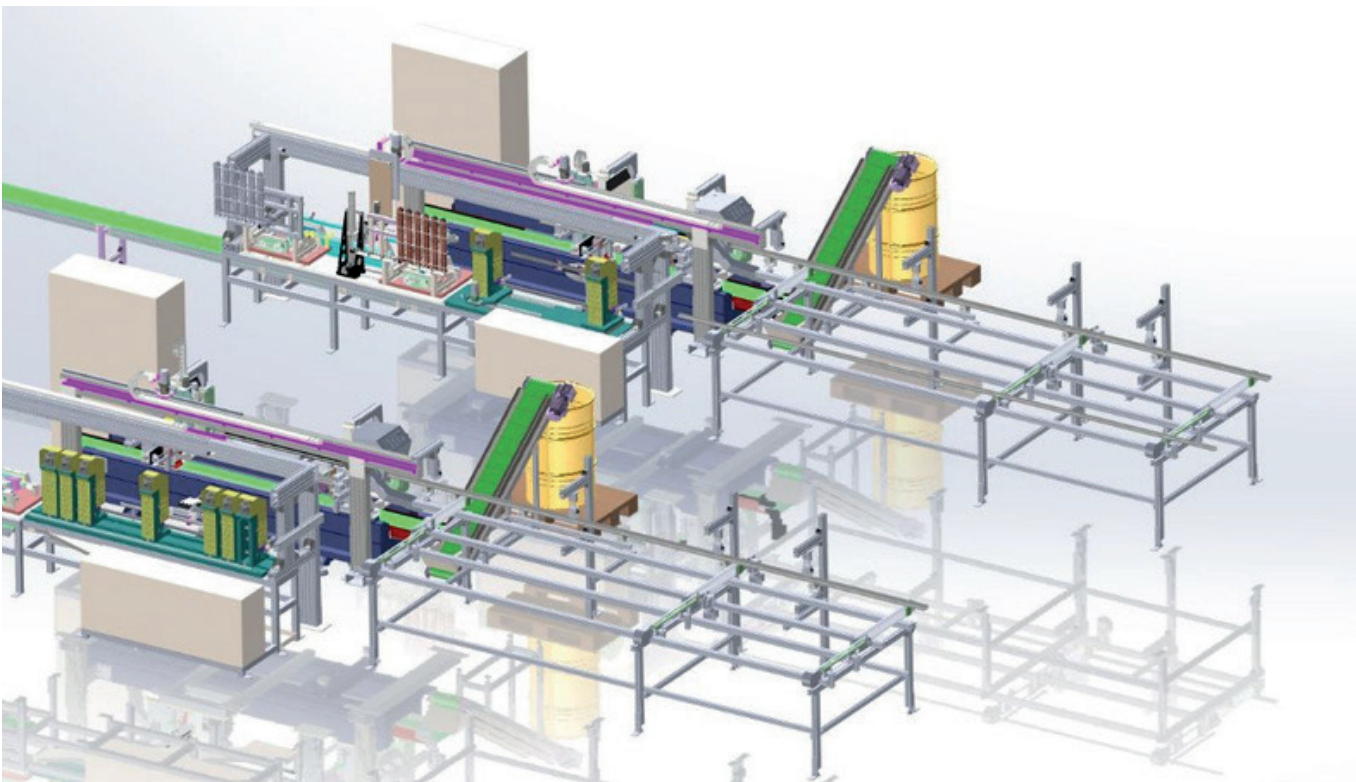
Automatic wedge inserton is applied to both ends of the short edge,
with the wedge reservoir accommodating more than 300 units.

Finished short profile products are transferred to the conveyor system.

Profiles are cleaned and stacked with operator assistance.

FEEDING LINE

A feeding conveyor line with a length of 7000 mm is utilized.
It can accommodate feeding of 32 x 2 pieces of 35 mm profiles.
A total of 12 conveyors are used for profile transfer.
2 asynchronous motors are employed.



SHORT LINE DRILLING MOULD

3 servo motors are used.

A 2-n-1 drilling mould is utilized for the short line drilling mould.

Drilling operation is performed with servo motor, allowing adjustment via PC.

The third servo motor enables movement of the right-side mould, facilitating production in different dimensions.

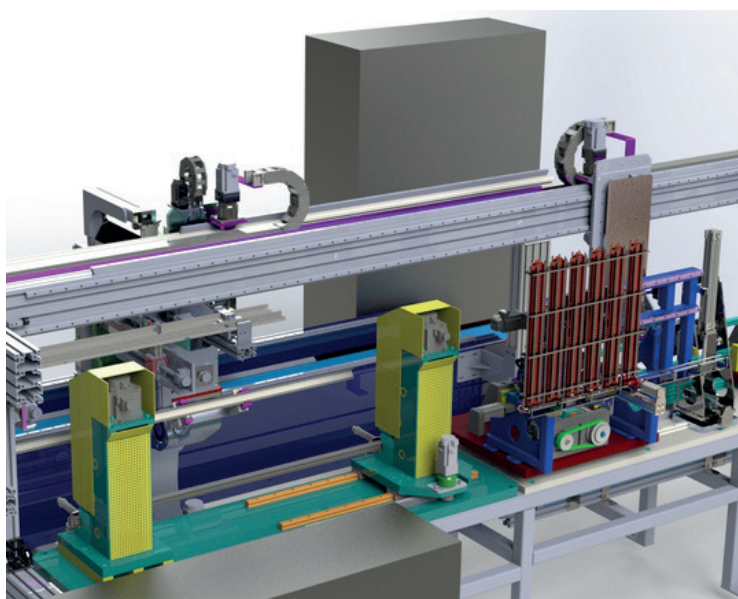
The processing time for the drilling mould is 1 second.

LONG LINE DRILLING MOULD

9 servo motors are used.

A 9-n-1 drilling mould is utilized for the long line drilling mould.

The processing time for the drilling mould is 1 second.

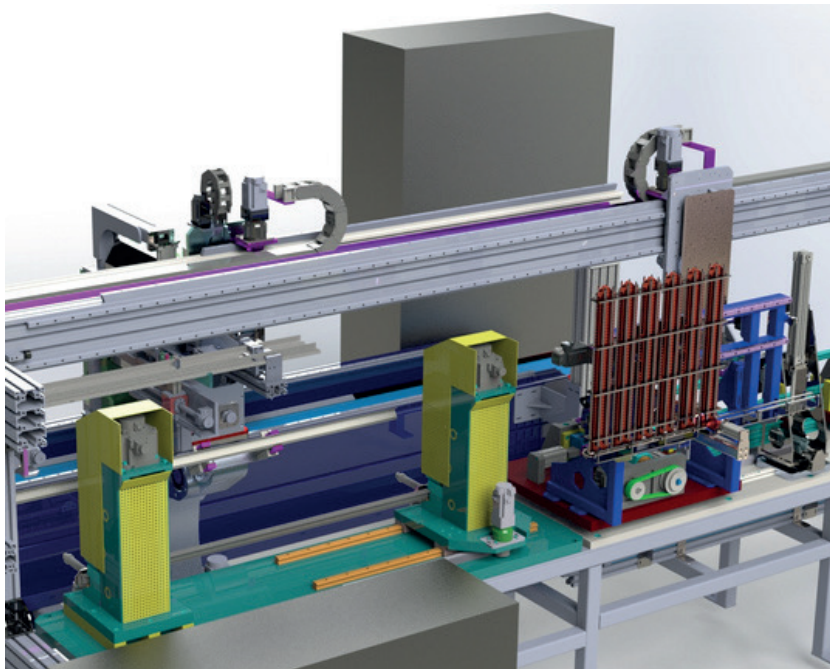


WEDGE MOULD

3 servo motors are used.

It ensures the fixation of wedge pieces at the ends of the profile.

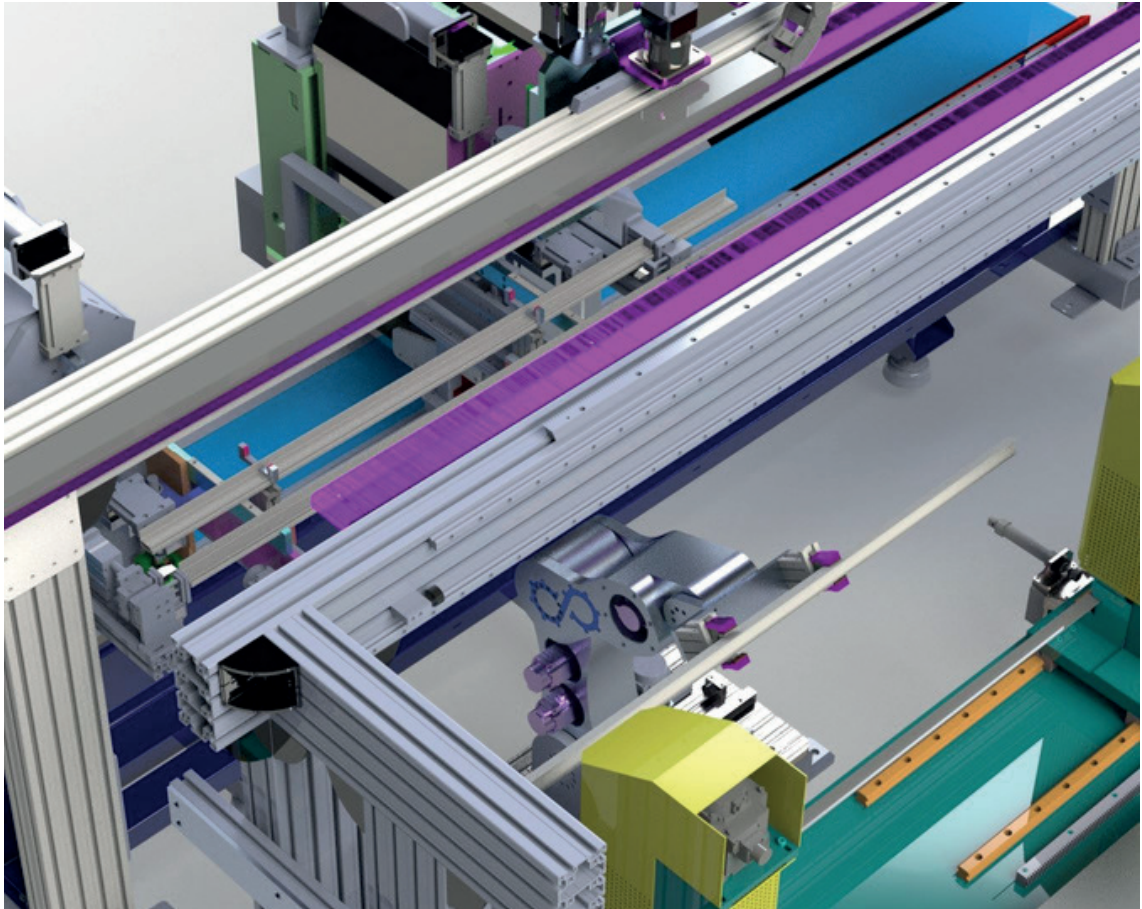
2 units of 50 corner wedge feeding units are employed.



RIB MOULD

3 servo motors are used in the long line rib mould.

The third servo motor enables movement of the right-side mould, facilitating production in different dimensions



INFINITE ROBOT

Software update: The installation project of the line involves adapting the cutting program to be able to cut profiles with the maximum operating dimensions of the line



Contact Us

NEXUS TECHNICA Ltd., str. Bulgaria 9, fl. 3, apt. 12, Plovdiv, BULGARIA

M: (TR) +90 545 401 19 84 (BG) +359 (0) 877 01 19 21 sales@nexustechnica.com www.nexustechnica.com

 [nexustechnica](#)

 [nexus-technica-ltd](#)