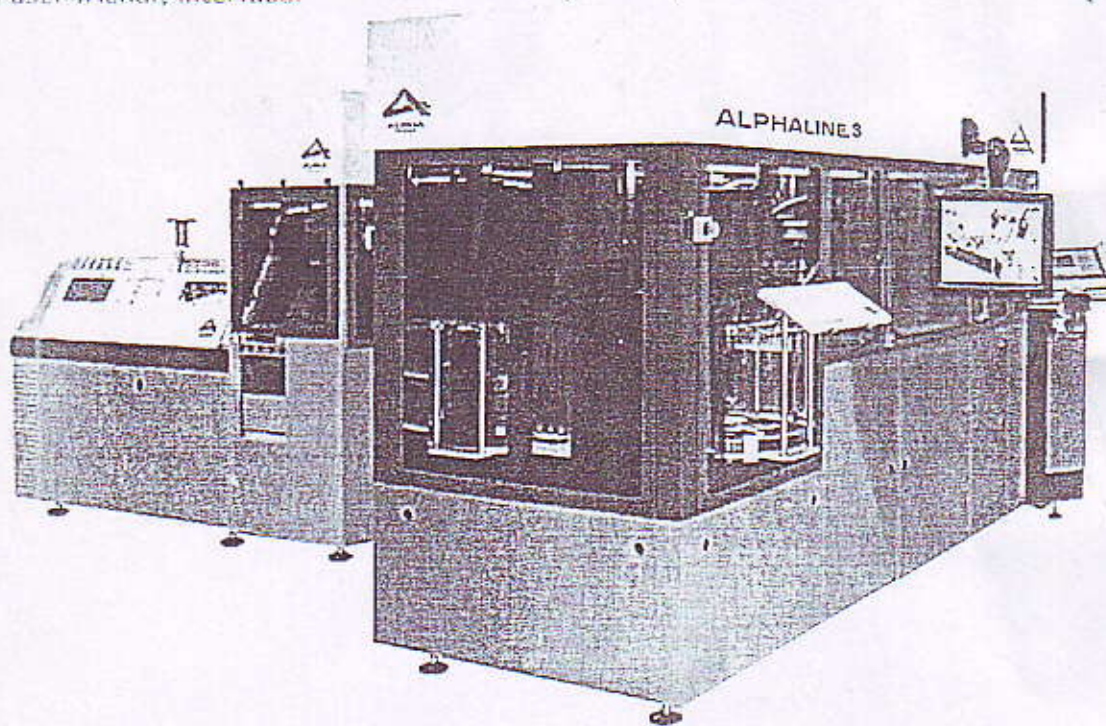


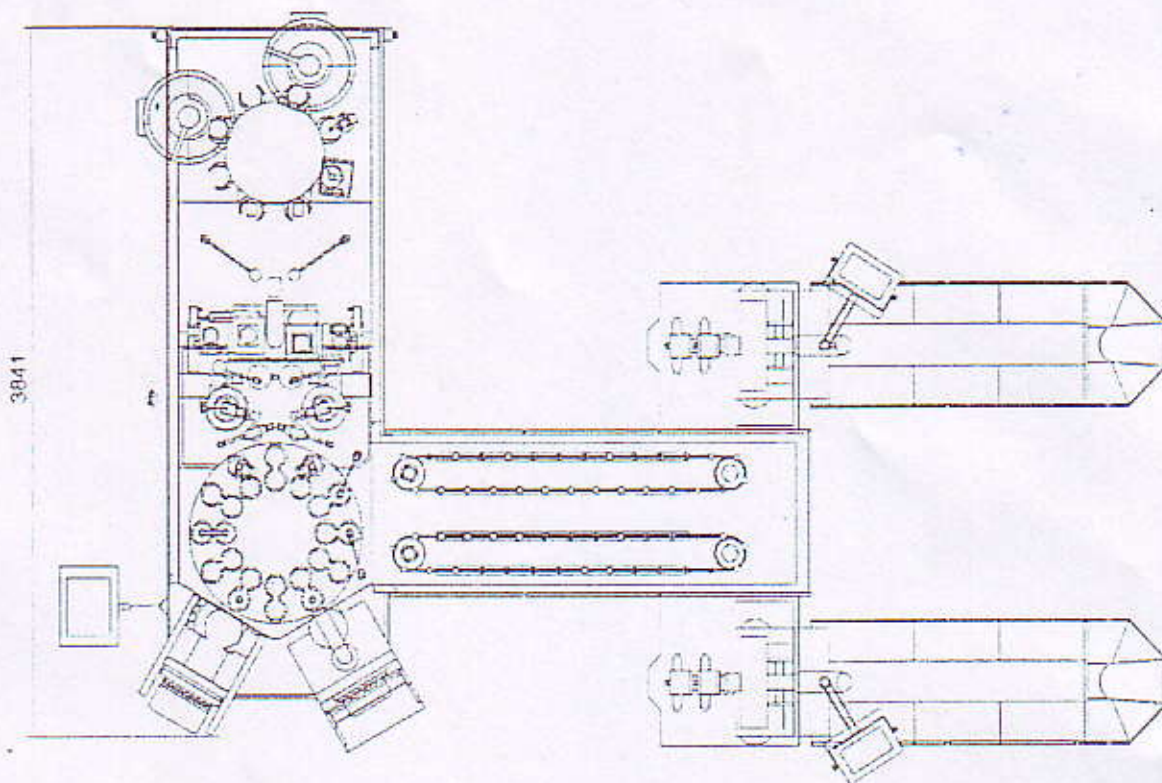
Unique user-friendly interface.



ALPHALINE.3

- > For DVD 9
- > Cycle time <3 seconds
- > Gap-dispense bonding technology
- > Dual bonding and curing stations
- > Superior edge curing
- > Efficient uniform substrate cooling
- > New moulding technology

ALPHALINE.3



5616

User-friendly interface

The new AlphaLine.3 has a unique, user-friendly interface that gives you complete control of the manufacturing process on one illustrated touch screen. It is designed for rapid operator control and easy troubleshooting.

Perfect Cooling

The substrate cooling system ensures perfect process temperature. Each disc is allowed to cool individually in laminar airflow under class 100 conditions. Single or double Metallizer configurations are available. Sufficient cooling positions after sputtering ensures perfect pre-bonding conditions.

Dual Bonding and Curing

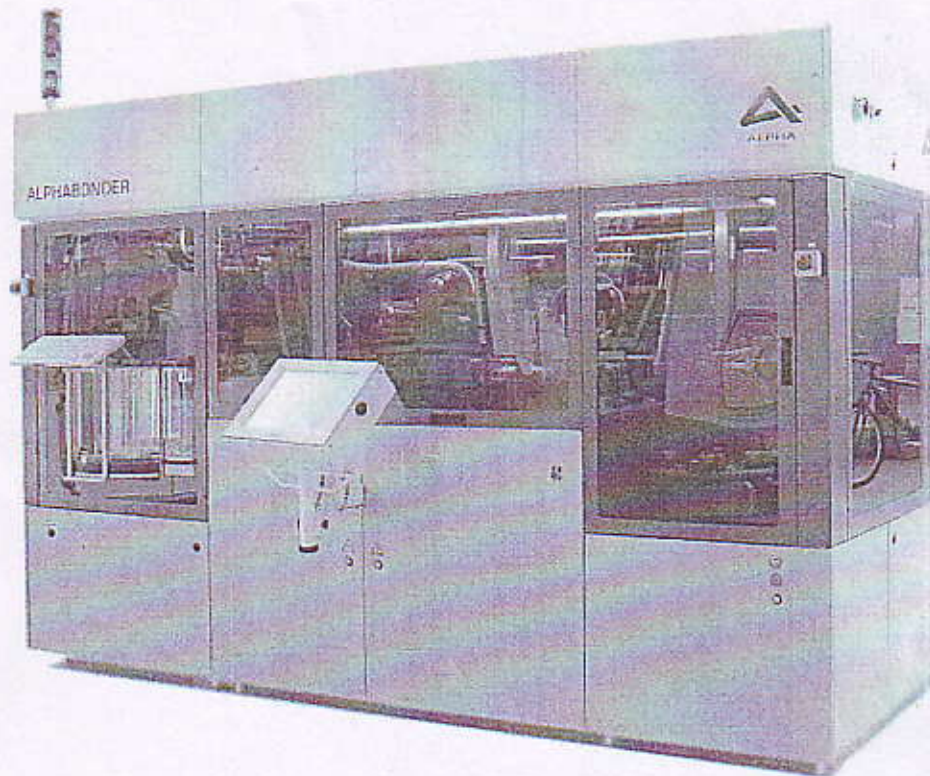
Using the proven gap-dispense bonding technology, the AlphaLine.3's dual bonding stations ensure high capacity production with very short cycle times. The dual curing system assures superior edge curing as well as efficient through-cure to meet the most stringent climate tests. The curing system has a high UV power, with a low heat-load to the disc.

High output

The output module allows customer choice of scanner. A disc turner combined with dual output stations ensures traceability and high output capacity.



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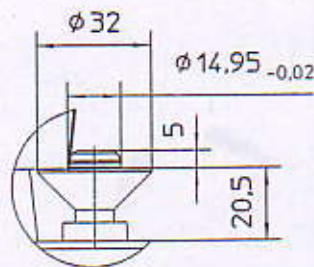
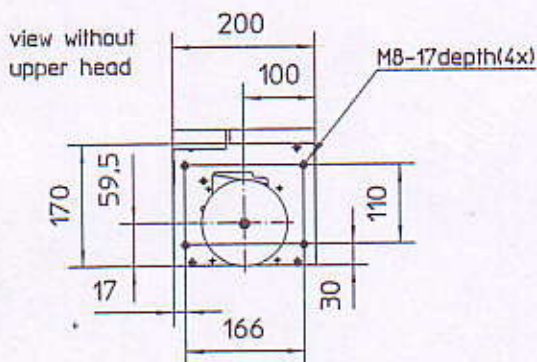
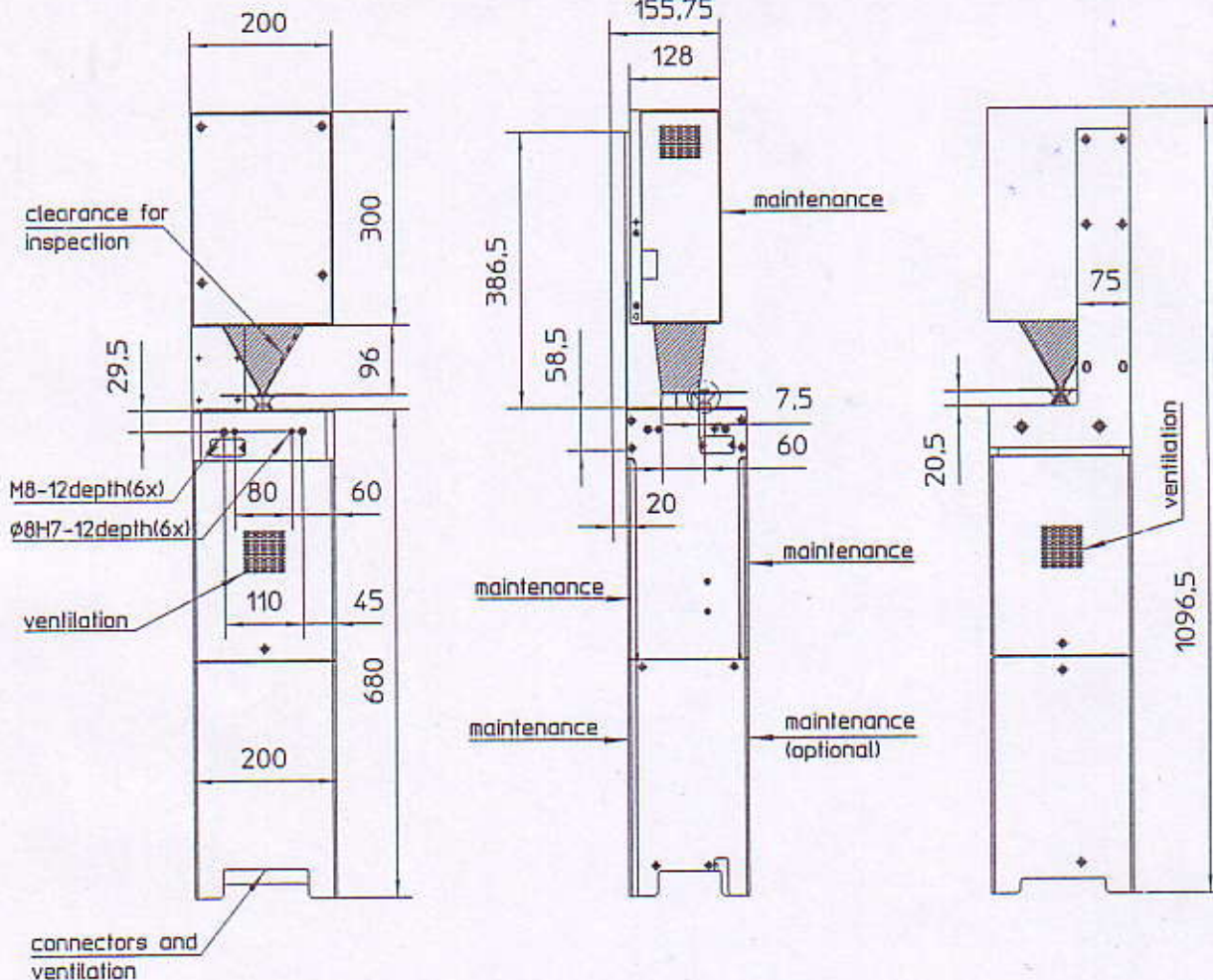
ALPHABONDER

- > 2 X 6 spindles for substrate feeding
- > Based on Gap Dispense Bonding method
- > Precision piston pump for accurate dosing of adhesive
- > Double bonding stations
- > Double UV-curing stations
- > Servo motor controlled disc handling
- > Outtake with 12 spindle positions
- > Cycle time < 4 seconds



ISM.dvd

with top channel



Druckluftanschluß:
Schlauch 8x1,25 (außen kalibriert)
min. 4,5bar - max. 7bar (99,9% gefiltert)
elektr. Anschluß siehe Spezifikation

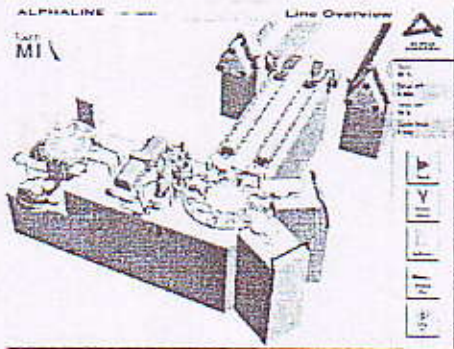
compressed air supply: flexible air
feeding conduit 8x1,25 (outer diameter calibrated)
mi. 65,3PSI - max. 101,5PSI filtered 99,9%
electr. connection see specification

ÄNDERUNGEN VORBEHALTEN
We reserve the right to
make changes without notice

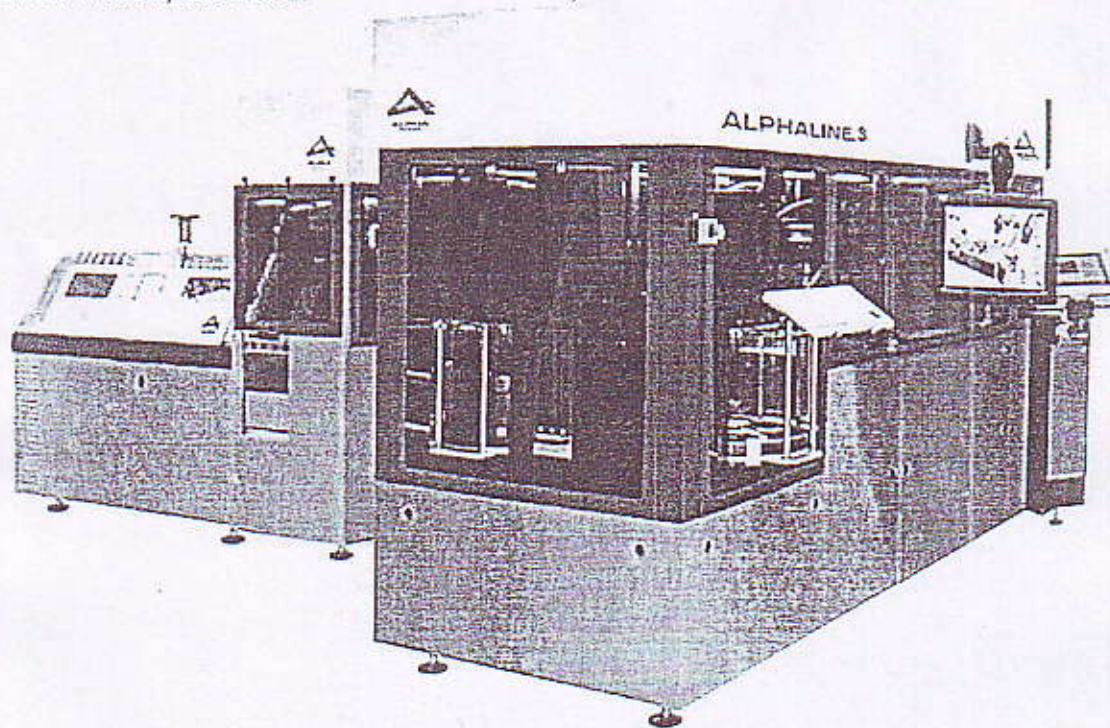
view DIN 6

14.07.2003 Snj

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Unique user-friendly interface.

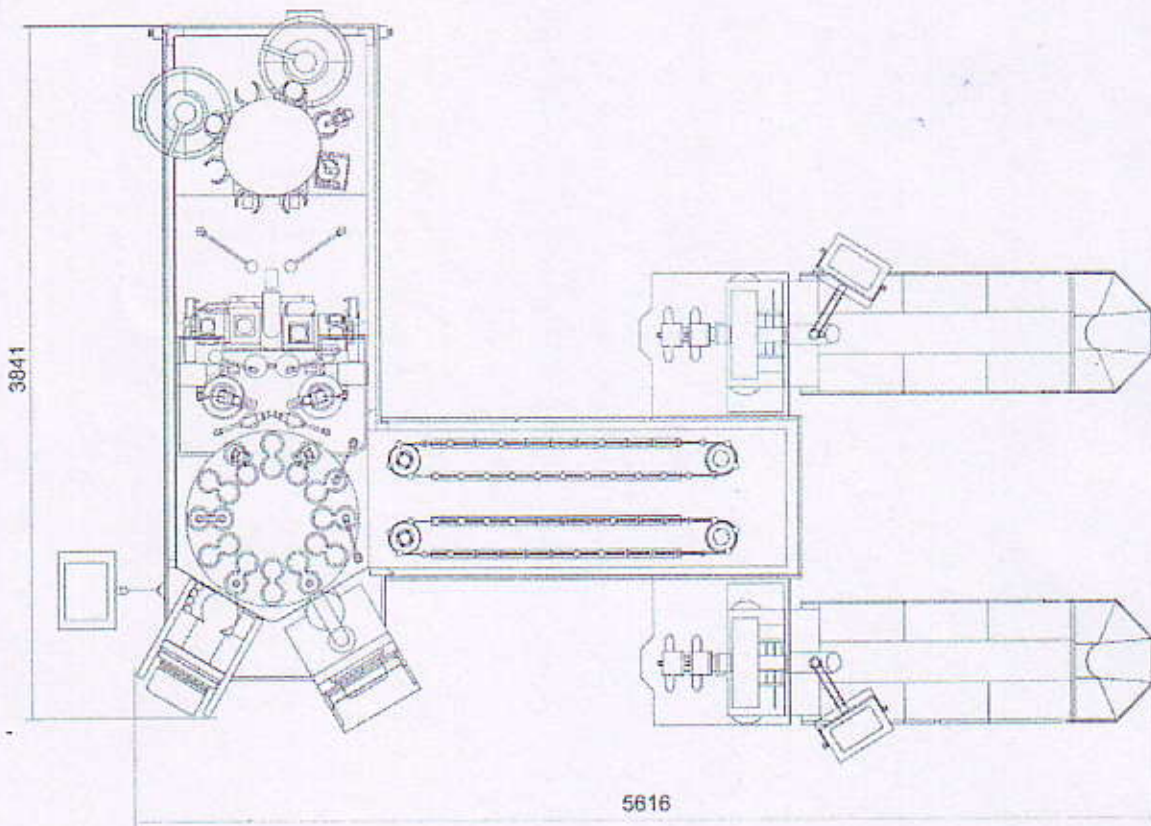


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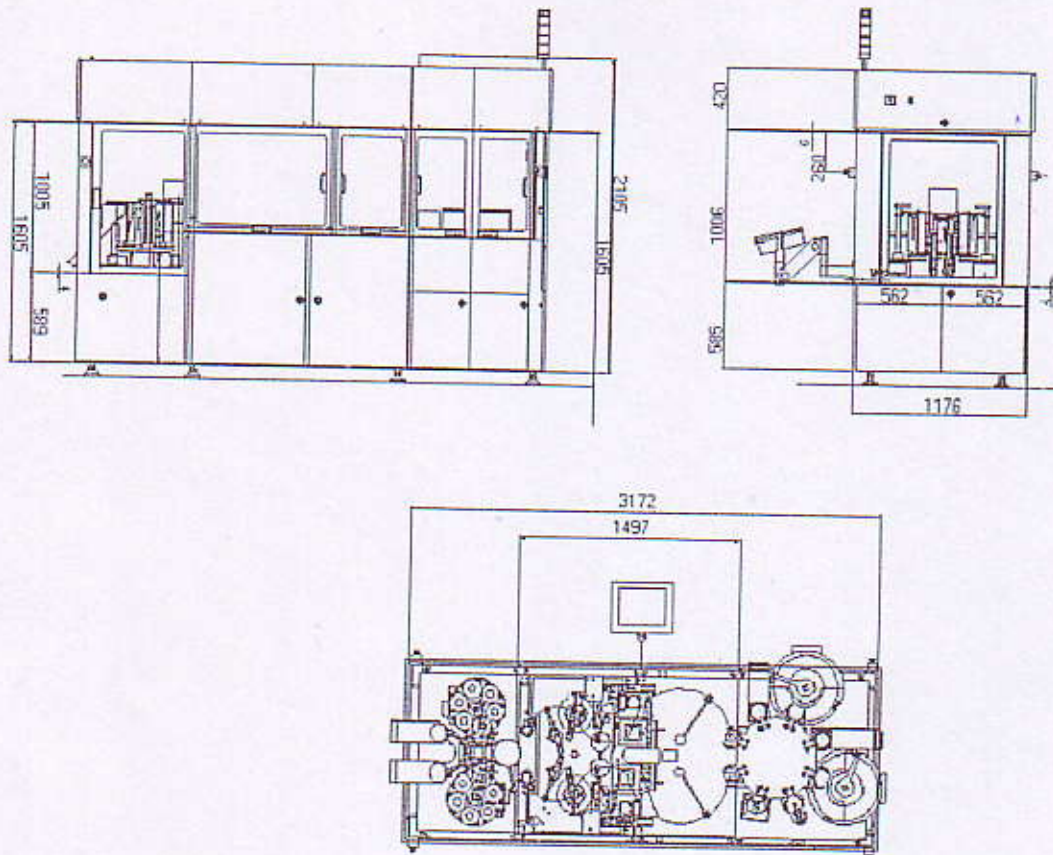
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ALPHABONDER

Bonding is perhaps the most important process step in a DVD finishing line. The ALPHABONDER incorporates Alpha Sweden's unique gap-dispense bonding technology, which creates a stable starting point. By applying the adhesive to both substrates simultaneously, it avoids air bubbles and allows uniform distribution of the adhesive before spreading.

The dual curing stations have temperature-controlled UV chucks for tilt control, and high intensity focused radiation with a very low heat load.

Dual bonding and curing stations ensure higher productivity and cycle times of under 4 seconds

Maintenance is simplified by easier refilling of adhesive and ready access to all service areas. An adhesive recycling system makes full use of expensive glue, while improving the working environment.

The ALPHABONDER can be supplied with the customers' choice of inspection system: Dr Shenk, AECO standard or Basler.

ALPHABONDER's new process technology is successively being incorporated in all Alpha Sweden's DVD replication lines.



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