The scraper conveyor consists of the main following parts:

A. Drive station
B. Tensioning station
C. Intermediate module
D. Chain with scrapers
E. Table for glass return
F. Electrical control systems
G. Additional elements
A  DRIVE STATION

1. Drive shaft assembled on two barrel bearings/clamping sleeves
2. Chain wheel with hardened flanks
3. Steel casing made of steel plate and welded beams on the bottom and side walls
4. Chain drive transmission/planetary gear motor
5. Covering of drive chain

Bottom of the station is made of molten basalt plates 30 mm thick

B  TENSIONING STATION

1. Shaft assembled on two barrel bearings/clamping sleeves
2. Chain wheel with hardened flanks
3. Slide Gate
4. Sliding bars for scrapers
5. Tensioning system
6. Protection covering
7. Steel casing made of steel plate and welded beams on the bottom and side walls
8. Bottom of the station is made of molten basalt plates 30 mm thick
INTERMEDIATE MODULE

1. Steel casing made of steel plate and welded beams on the bottom and side walls
2. Sliding bars for scrapers
3. Strut beam
4. Bottom of the station is made of molten basalt plates 30 mm thick

CHAIN WITH SCRAPERS

The conveyor is equipped with chain made of forgings with flat bars welded on edges. The forging hardness is approx. 60 HRC. The flat bars have hard facing structure on the top and the bottom. Each scraper is connected by a hardened pin and self-locking nuts.
Table is made of special steel type plates assembled under the higher chain level. Table is used for return the cullet from drive station area and drop it to the molten basalt plates level.
ELECTRICAL CONTROL SYSTEMS

A. Variable frequency, adjustable by inverter
B. Star-delta starter (in case of emergency)
C. Direction changing possibility
D. Water temperature measure
E. Automatic system of water dosing (optional)
F. Monitoring of chain operation with contactless limit switch
G. Remote controlling possibility
H. LED/Horn emergency signalization
I. Emergency trip (rope) switches with equipment

ADDITIONAL ELEMENTS

I. Protective covering on the top of the conveyor made from perforated sheet plate
J. Protective covering of the chain on the inflection point of the conveyor
All the above constructions ensure the highest quality of execution:

- **TIGHTNESS**
- **HIGH QUALITY MATERIALS**
- **FUNCTIONALITY**
- **SIMPLICITY**
- **RELIABILITY**
- **CAPACITY**
- **SAFETY**
COMPLETE SOLUTIONS FOR GLASS FACTORIES

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