VERTICAL AND HORIZONTAL EQUIPMENT

BY PARGET MAKINA



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Vertical and Horizontal equipment

BUCKET ELEVATOR

Chain Type

Belt Type

Description: Bucket elevator is the mechanism for conveying bulk, powder and granular materials such as gypsum, calcite, lime, cement etc, vertically

GENERAL DESCRIPTION

Bucket elevator is a mechanism for hauling flowable bulk materials, often powder and granular, vertically.
A chain, placed between the chain rollers, carries the buckets elevating material from the feeding point until the top.
Bucket elevators are designed depending on material type and density, conveying distance, capacity and other criteria.

AIM

The aim of this specification is to describe general design parameters and specification of bucket elevator manufactured by Parget Makina

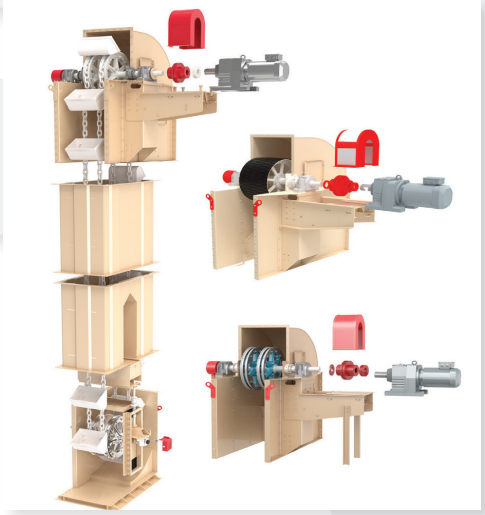
SCOPE

Specification scope is limited to description of design details of bucket elevator manufactured by PARGET MAKİNA İMALAT İNŞAAT MÜHENDİSLİK SAN. VE TİC. LTD. ŞTİ

FEATURES			
Machine Type	Motor Power (Kw)	Capacity (t/h)	Dimension (length)
PM-ECC200	Depends on the Capacity, length of the machine and product features	Different capacity from 5 t/houruntil 200 t/hour, depending on the product features.	Different leghths depending on the customer request and the Project requirement.
PM-ECC250			
PM-ECC315			
PM-ECC400			
PM-ECC500			
PM-ECC630			











Vertical and Horizontal equipment

Belt Conveyor

Description: The belt conveyor is used for conveying different kind of materials in horizontal or inclined way on a certain angle positions.

AIM

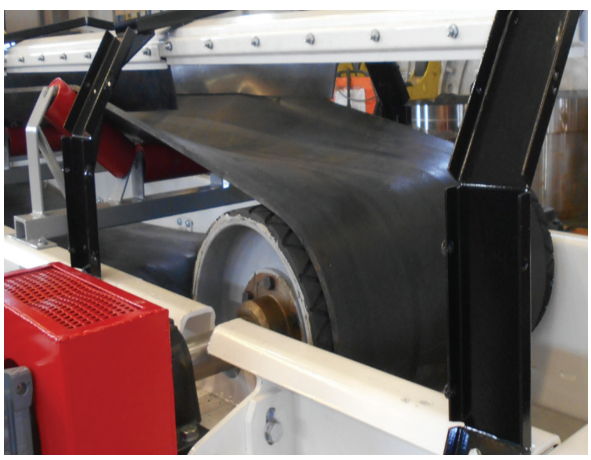
The aim of the specification is to define general design parameters and specification of the belt conveyor manufactured by Parget Makina.

GENERAL DESCRIPTION

The belt conveyor is used for conveying different kind of materials in horizontal or inclined way on a certain angle positions.
Belt conveyor can be produced in different kind of models depending on the used area, material properties, capacities, conveying distance.
Belt conveyors with the high reliability and low energy consumption are preferred to be used in every area where different materials are being conveyed.
Modified conveyors can be operated with abrasive, corrosive, hot, chemicals, fragile and brittle materials.
Types of the belt conveyor;

- **Flat type**
- **Trough type**
- **V type**







Vertical and Horizontal equipment

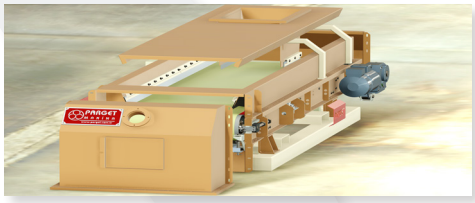
Weighing Dosing Belt Conveyors

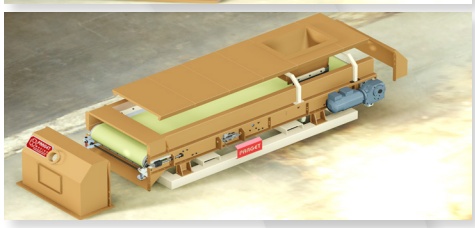
Description: Weighing belt conveyor is used for feeding powder and granular materials as continuously weighing within a fixed time period. It is designed depending on the material type to feed, handling capacity and dosing volume. The material is passing through on the belt is weighed in short periods and constantly, thanks to the weight-sensitive platform and high-precision measurable load-cell.

GENERAL DESCRIPTION

Parget Makina designed weighing belt conveyor is an economical and effective solution for dry dosing systems. It can be used especially for dosing of free-flowing materials with irregular flow and non-free flowing materials (very dry and fine or wet materials)

FEATURES		BENEFITS
WEIGHING BELT CONVEYOR	CAPACITY	• WIDE RANGE OF CAPACITY 1 - 80 T/H
	WEIGHING MECHANISM	• AUTOMATIC TARE AND CALIBRATION SETTINGS • + %2 WEIGHT ACCURACY • COMLIANCE WITH OIML (ORGANISATION INTERNATIONALE DE METROLOGIE) STANDARDS • OPTIONAL AUTOMATIC AND MANUAL OPERATION • HIGH WEIGHT ACCURACY OF LOADCELLS • ACCURATE AND STABLE WEIGHING IN REQUIRED CAPACITY AND TOLERANCE • HIGH DOSING EFFECTIVITY
	CONVEYOR BELT	• WEAR RESISTANT • NATURAL OR SYNTHETIC RUBBER MATERIALS • RESISTANT TO WEATHER CONDITIONS,SUITABLE FOR CONVEYING ABRASIVE AND COARSE MATERIALS • HIGH IMPACT RESISTANT • SIDE SCRAPPER SYSTEM, PREVENTING FALLING OUT OF MATERIAL FROM BELT EDGES • BELT DIRECTING SYSTEM, CONTROLLING BELT MOTION AND PREVENTING BELT SLIPPAGE • LIMIT SWITCH, WARNING IF BELT SLIPPAGE OCCURS
	DRIVE UNIT	• OPERATION OF MIXING, FEEDING AND CONVEYING UNITS WITH SINGLE DRIVE
	AUTOMATION SYSTEM	• USER - FRIENDLY • INTEGRABILITY WITH EXISTING SYSTEM • EASY PRODUCTION DATA REPORTING SYSTEM





Tip	Capacity range	Motor power	A	B	C	H	H1	L
			mm	mm	mm	mm	mm	
PM-WBC500	1-10 t/h	2,2-3 kW	820	*	*	114	min.650	*
PM-WBC650	2-15 t/h	2,2-5,5 kW	1000	*	*	114	min.710	*
PM-WBC800	10-30 t/h	3-5,5 kW	1150	*	*	114	min.850	*
PM-WBC1000	20-50 t/h	3-7,5 kW	1300	*	*	114	min.940	*





Vertical and Horizontal equipment

Screw Conveyor

AIM

The aim of this specification is to describe general design parameters and specification of screw conveyor, manufactured by Parget Makina.

GENERAL DESCRIPTION

Screw Conveyor is used for vertical transportation or slightly inclined transportation of bulk materials, often powder or granular. It is designed in required length and capacity depending on the field of use, characteristics of conveyed material, required capacity, conveying distance and inclination.
Rotation of helical screw drives material from inlet point to outlet with fixed or variable speed.

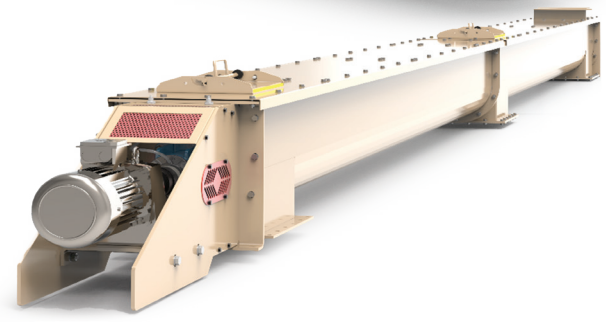
Design parameters of screw conveyor:
Capacity (ton/hour)
Diameter of rotor
Diameter of rotor pipe
Screw pitch and screw thickness
Inclination
Rotation speed
Inputted filling level
Screw Length
Type of conveyed material
Screw conveyor is designed considering foresaid parameters. Suitable motor is
selected according to filling level of 40-45%. Maximum rotation speed is 70 rmp.
However, per customer request it is possible to exceed the rotation speed.

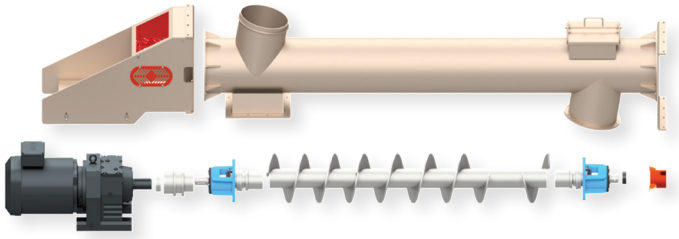
Machine Type	Capacity (m3/hour)
PM-SCU250	12
PM-SCU300	23
PM-SCU350	34
PM-SCU400	47
PM-SCU450	70
PM-SCU500	111



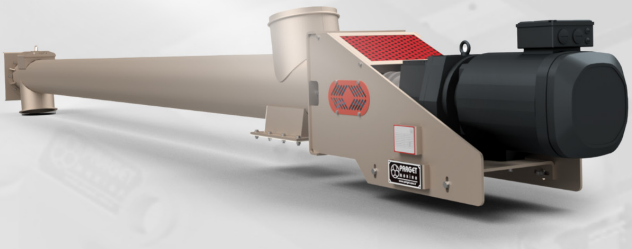






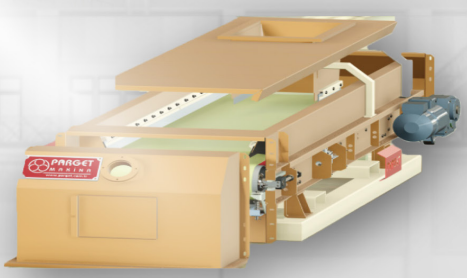


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