

VII、设备说明 Project Description

(一)、悬挂输送链系统: XF400 悬挂输送机

Conveying system: XF400



- 1、说明: 悬挂输送机系统由驱动装置、张紧装置、牵引链条、十字轨道、一次挂具、支撑件、自动加油机等组成。

Conveying system is mainly composed of driving units, tension unit, pulling units, conveyor, primary rotating hooks, automatic rotating units, auto lubricators and conveyor supports.

- A. **驱动装置:** 直线驱动。采用履带链式驱动并可实现无级调速, 最大牵引力 700KG, 驱动速度 1.0m--3.0m 可调, 驱动电机减速机采用德国 SEW, 电机功率: 1.1KW。
Driving unit: linear driving with crawler. Max. pulling force 700 kg, speed 1.0m – 3.0m with stepless speed regulation. Safety pins or torque limiters are installed to prevent overload.

(二)、上、下料输送系统

Loading/unloading system



说明：采用最新型输送平台，平台采用二套传动装置，一套为链条传动，一套为毛毡带传动，二套同步运行。工件放置在毛毡带上，有效防止工件划伤，保证工件表面质量。毛毡带底部为链条传动，输送台上工件重量为链条承载，完全杜绝输送台上工件过多而致使输送带打滑。主传动采用同轴启动设计，保证了工件在输送过程中保持一致。

Description: adopting the latest platform which is adopting 2 sets of transferring equipment, one for chain, one for felt belt, working in the same time. Putting profiles in the felt belt can reduce damage so that ensure the quality of surface. The bottom of the felt belt is transferring chain. The weight of profile in platform is the bearing weight of the chain. It can avoid slipping causing by overweight. The main transfer is designed to coaxial startup, ensuring the unity of profiles transferring.

(三)、前处理 pretreatment

1、前处理方式：瀑布+喷淋式

Pre-treatment : Waterfall type + Spray type

瀑布+喷淋式前处理有如下优点：the advantages

(1)、有较强的抗腐蚀性，不需要经常维护。

Superior performance of anti-corrosion, less maintain needed.

(2)、水盆形成的瀑布均匀冲淋工件，自上而下，彻底清洁工件，型材表面处理均匀度高。

Waterfall generated from water basins showers profiles uniformly and completely, which ensures the perfect surface treatment of profiles.

(3)、生产能耗低：瀑布水盆冲洗工件水压低

Low energy consumption: The water pressure for cascade basin to wash work pieces is low.

(4)、化学剂消耗量低：液体沿着表面经常流动以及较低的压力，只会产生少量的滴漏，而且邻近两个槽间带出槽液较少。

Low chemical agents consumption: Liquid flows along surface frequently with low pressure, producing little leakage, as well as little outside solution between the nearby two tanks.



(五)、V 型环保喷粉房及回收系统

V shaped Powder Coating booth with self-clean function & recycle system

特点：卷帘式自动清洁粉末喷粉房是专为铝型材立式粉末喷涂设计，喷粉房内输送链形状为 V 字型，喷涂区内空气可从粉房抽风桶立缝中排出，粉房抽风桶与大旋风回收系统相连，喷涂区内飘浮的粉末通过大旋风回收系统进行回收利用，大旋风回收系统回收不到的超细粉末由过滤器回收系统回收。

Characteristic: Environmental protection V shaped Powder Coating booth with self-clean function of the powder coating system is special design for the aluminum vertical coating. In the coating area, the powder will be recycled in the middle of booth. The exhaust tube in booth is connected with cyclone system. The powder in the air will be collected and recycled by cyclone and be reused. The dust and the small powder which could not be recycled will be collected and conveyed to filter.



(六)、固化炉

Curing Oven

功能：固化炉专为固化粉末设计。

说明：加热系统采用燃气加热，独立的加热区和工件固化区。炉顶轴流风机使加热区与工件固化区空气不断循环。从而达到炉内温度均匀分布。炉进出口装有一组风帘风机，采用下吹上吸加大空气的再循环速度，当强气流到达时，可保证在高温室内和外部环境间形成一道空气幕，相对减少热能损耗。固化炉配一楼梯可供工作人员监视炉顶风机，炉四周有安全防护栏，确保工作人员监测其风机运作并在安全情况下对其进行维护。

Description : the heating system is indirect type ,with independent fog and air channels ,the flux fan in the roof keep the air in the heating room and disposal room circulating ,to keep the temperature equally in the oven . the exist of the oven with wind curtain fan ,adopt the up blowing/down sucking to improve the air re- circulation speed ,to assure the high temperature of the oven side and the outside become a air curtain when the strong air current is arriving ,to reduce the heating energy consume .

Curing oven with one stair for the operator to inspect the fan in the roof, the oven around with safety protect fence, to assure the operator's safety when doing the inspection and maintenance.

