Linee di estrusione per Profili
Extrusion Lines for Profiles

www.amut.it

Clever solutions for plastics
Tecnologia ed affidabilità per la produzione di profili.
Con una gamma disponibile che comprende numerose soluzioni tecniche AMUT supera il confine della produzione in serie per offrire linee di estrusione complete per profili, personalizzate secondo le esigenze dei clienti, garantendo prestazioni elevate e prezzi competitivi. Le linee possono produrre profili di svariate dimensioni in materiale termoplastici.

Technology and reliability for the production of profiles. With its wide range including various technical solutions, AMUT’s production does not only include standard machines, but also offers complete profile extrusion lines, tailormade according to the customers’ requirements, still assuring high performances and competitive prices. Lines can produce thermoplastic profiles having various dimensions.

MATERIALI ED APPLICAZIONI:

PVC:
- profili per l’edilizia
  - finestre e guarnizioni
  - porte
  - tapparelle
  - grondaie
  - recinzioni
  - giunti dilatazione
- profili per l’arredamento
  - bordure mobili
  - rivestimento
- profili tecnici per l’industria
- profili espansi

PA: giunti termici

WPC: polimeri PO o PVC, con farine di legno, lolla del riso, canna da zucchero, canapa ed altre ancora (AMUT ha sviluppato un processo di estrusione diretta dedicato a questa applicazione).

EPS: cornici

PO: profili pieni e cavi per edilizia, arredamento per interni ed esterni, imballaggio ed altro ancora.

PMMA e PC: profili per arredamento interni ed esterni, applicazioni tecniche.

TPR: guarnizioni, anche co-estruse, per finestre, autovetture.

ABS: profili per elettrodomestici, per l’industria automobilistica ed altro ancora.

MATERIALE RICICLATO:
- tubi
- profili
- foglie
- lastre

MATERIALS AND APPLICATIONS:

PVC:
- profiles for the building industry
  - windows and gaskets
  - doors
  - rolling shutters
  - gutters
  - fencing
  - spacing joints
- profiles for furnishing
  - furniture edge bands
  - coatings
- technical profiles for industry
- expanded foam profiles

PA: thermal joints

WPC: PO or PVC Polymers together with wood flour, rice chaff, sugar cane, hemp and others (AMUT developed a direct extrusion process for this application).

EPS: frames

PO: solid and hollow profiles for building industry, inside and outside furnishing, packaging and other applications.

PMMA e PC: profiles inside and outside furnishing, technical applications.

TPR: gaskets, also co-extruded, for windows and cars.

ABS: profiles for electrical appliances, for the car industry and others.

RECYCLED MATERIAL:
- pipes
- profiles
- foils
- sheets
EXTRUDERS

AMUT offers to its customers a wide range of single and twin screw extruders, with parallel or conical screws. All AMUT’s extruders have different lengths and drive motors to assure proper plasticizing and output; moreover they are synchronized with the various components of the line.

SIZING AND COOLING UNITS

AMUT manufactures sizing and cooling units which allow them to be used at their best with the updated high speed die-heads for different types of profiles.

Main characteristics:
• highly rigid structure due to the sturdy construction and vibration-free support base;
• ergonomic controls at the operator’s disposal;
• sizers support bench, housed in a water collection trough made in SS;
• movements adjustment device on 3 axis for an easy alignment, with manual or automatic regulation depending on the models;
• upper service distributor, foldaway oscillating type, complete with taps for vacuum and water;
• high capacity vacuum units for the “combined” air/water calibration when the profile fast cooling is required;
• water/air silenced separators, essential for the combined calibration;
• customized version available on request with additional vacuum groups, profile le drying system and other accessories;
• the equipment slides on rails trough double speed motor driven jack, 600 mm useful traverse;
• models suitable for a pulling force up to 5000 kg.

HAUL-OFF AND CUTTING UNITS

Main characteristics:
• sturdy construction and full reliability;
• caterpillar clamping system with accurate adjustment;
• availability of caterpillars with chains and pads or belts;
• tilting upper caterpillar;
• special shaped pads and caterpillars available;
• modular composition of the haul-off/cutting/punching/ marking/ protection film application sections;
• cutting unit with disc saw or thermoregulated hot knife;
• high cutting speed for small profiles.

ACCESSORIES

All AMUT’s lines can be equipped with various accessories and, also in this case, the flexibility of design and construction enables to customize the technical solutions, in accordance with the different requirements in any application:
• volumetric and gravimetric dosing units;
• mechanic or ink jet marking units;
• winding units;
• discharging units and stackers.