

Extrusion Flat Die

This extrusion die is designed for producing flat sheets and films. It features a precise flow channel design to ensure uniform material distribution and consistent thickness.



Overview

High-Precision Extrusion Flat Die

This high-precision extrusion flat die is engineered for the reliable production of diverse plastic films, including TPU, CPP, CPE, PP, PE, and PVC. Designed for versatility, it supports film thicknesses ranging from 0.01mm to 0.2mm and offers customizable die widths from 300mm up to 8000mm. With advanced lip adjustment systems and high-grade material construction, this die ensures uniform material distribution and consistent quality for demanding industrial extrusion applications.

Technical Specifications

Die Width Range

300 mm

Min Width

8000 mm

Max Width

Film Thickness

0.01 mm

Min Thickness

0.2 mm

Max Thickness

Compatible Materials

TPU, CPP, CPE, PP, PE, PVC, EVA, LDPE, HDPE, BOPP, PVB, PC

Construction & Materials

Die Material Options

- 2738 (Germany)
- S316
- 718
- 5Crinimo
- P20

Screw Grade

12.9

Feeding Type

Round, square, or special

Surface Treatment

Surface Finish Specifications

| Surface Area | Roughness (R_a) |
|--------------------------|---------------------|
| Lips and Flowing Surface | 0.02 - 0.03 |
| Other Surfaces | 0.03 - 0.04 |

| | |
|--------------------------|-----------|
| Chrome Plating Thickness | 0.04 mm |
| Surface Hardness | 60-70 HRC |

Adjustment Systems

Available Lip Adjustment Systems

- Manual full push flexible fine-turning
- Automatic full push flexible fine-turning
- Manual push & pull fine-turning
- Automatic push & pull fine-turning