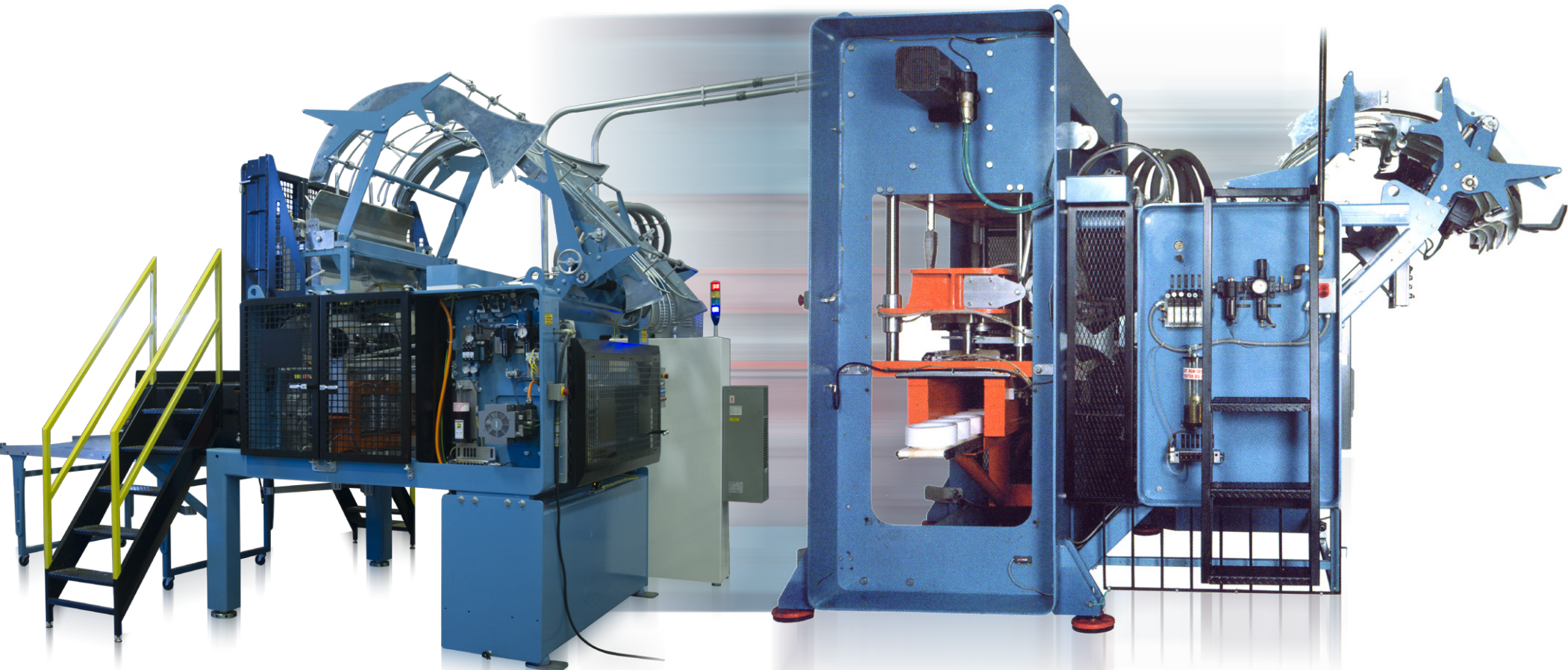


# 50 NT & VTS

## TRIM PRESS



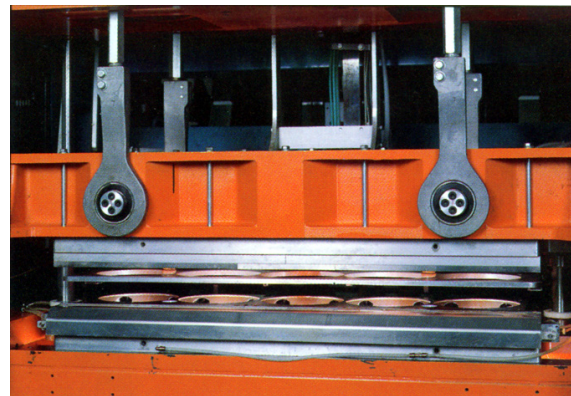
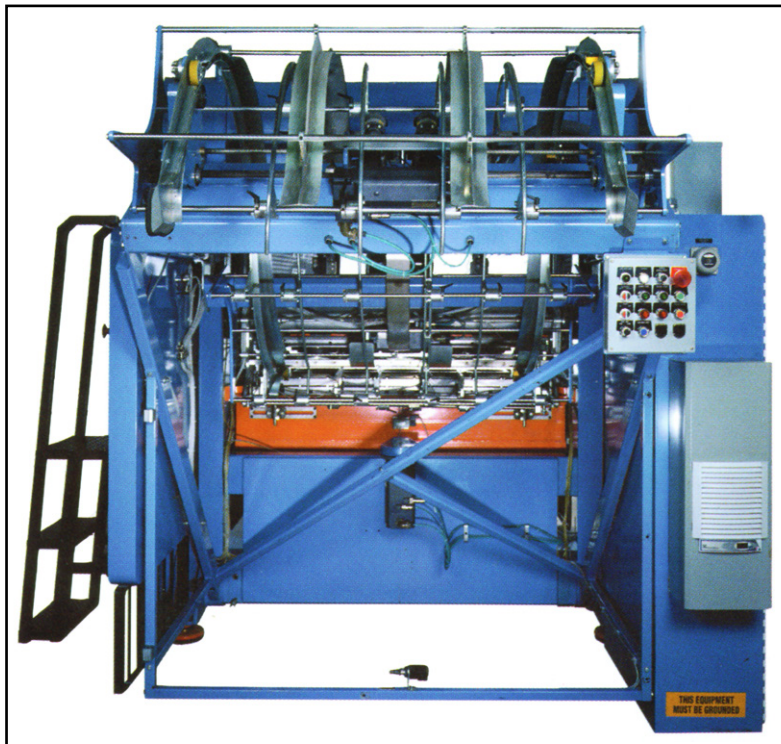
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**THE ORIGINAL TECHNOLOGY**  
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# 50 NT & VTS TRIM PRESS

## Model 50 "Vertical Trim Stack" Trim Press

The Irwin Research & Development Model 50 Vertical Trim Stack (VTS) Trim Press was the first to market a high speed vertical trim press with "Ballerina's" patented "Auto Start" servo feed, which allows hands free threading of the sheet into the treadle sheet guides.



The VTS features vertical stacking up to 10" (254mm), coupled with side conveying of product, bagging system and our model 50-'04 Chesaw makes this trim press package the least labor intensive in the industry.

The greater cycle speed is achieved from our lightweight, aluminum-cast platen that is driven from four points and drives a linear motion treadle with two connecting rods. The platen, treadle and tooling are counterbalanced to increase machine performance at higher speeds. A high speed servo ejector provides tap eject of each part into the die or count eject into the die magazine.

Irwin has a patented guide and locator system in our VTS trim tool to insure consistent trim registration.





# 50 NT & VTS TRIM PRESS

## Model 50 Trim Press

**Irwin Research & Development offers the high speed NT Trim Press in a Model 50 configuration.**

The Model 50NT Trim Press achieves greater cycle speeds by utilizing a lightweight, aluminum-cast platen driven from four points and drives a linear motion treadle with two connecting rods. This Model 50NT Trim Press comes in a low profile canopy and treadle design or standard high profile canopy and treadle configuration. Both feature our automatic sheet adjust at the canopy feed, servo pick and our patented self-feed, "Auto Start" treadle, which allows operational threading of the sheet into the treadle sheet guides. The result is a trim press that can run at cycle speeds of up to 200 RPM.

The "Ballerina" control system gives the 50 NT Trim Press highly accurate product count registration. The offset trim variable allows the operator to miss-trim the product at their pre-determined count. The operator can off-set trim the product up or down and they can set this distance to give the packers a defined stack count that is still packable product.

You can count on Irwin Research & Development Field Service from the machine start-up to the unlikely event of a system failure, Irwin Research takes great pride in the fact that we offer unparalleled customer service in the thermoforming industry.

The 50NT Trim Press is another example of how Irwin Research & Development is continuing its long history of inventing and inovating the fastest most reliable Thermoformers in the industry. Serving our Customers IS our Business.





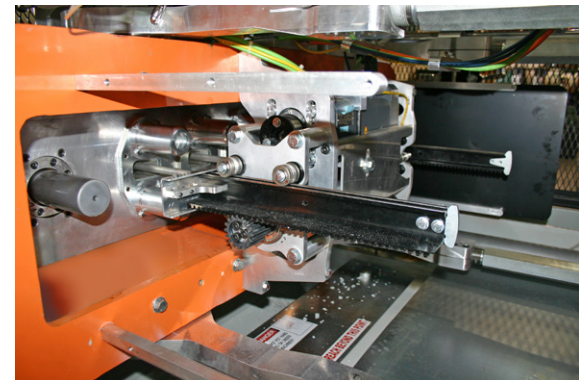
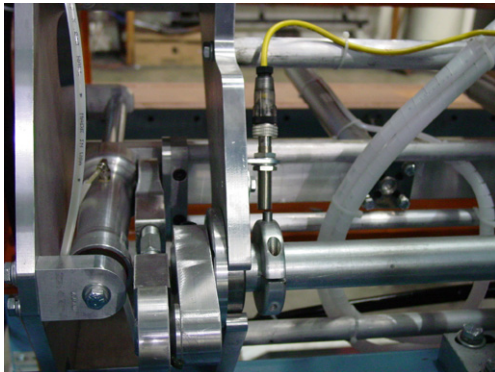
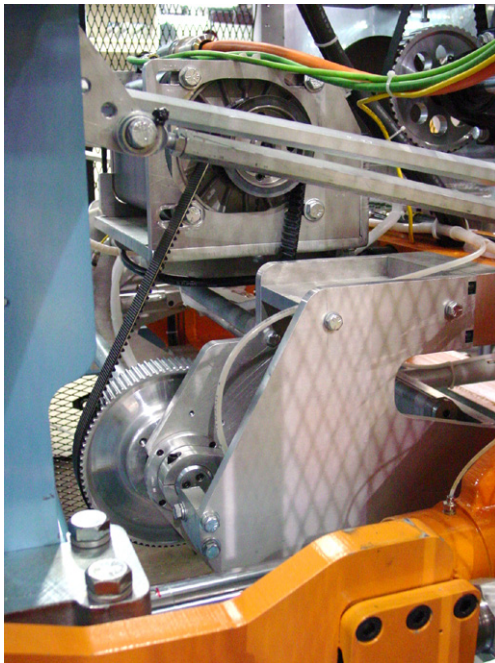
# 50 NT & VTS TRIM PRESS

## More Choices!

Ballerina is a flexible and powerful control for thermoforming machine control. Servo motor controlled ejector with pneumatic cylinders attached, all controlled by Ballerina, can be configured to meet your needs. Tap eject and servo stroke up to 7" (177.8mm) combined with pneumatic stroke up to 15" (381mm) gives you 22" (558.8mm) of available stroke for total ejecting of stacks into automatic packaging equipment. Ballerina controlled platens, canopy and servo pick all work together to stop, eject and start up again without missing a beat.

Maximum Servo Stroke: 7" (177.8mm)  
Maximum Pneumatic Stroke: 15" (381mm) 22" (558.8mm) combined stroke available for Mark by Stop SEJ w/pkg  
(Stop Servo Eject with packaging)

LINEAR SERVO EJECTOR  
Rack and Pinion Driver  
Designed for speed, reliability and accuracy.  
Ballerina Controlled  
Maximum Stroke 8" (203.2mm)  
Tap Eject at 250 CPM: 1" (25.4mm)  
Tap Eject at 200 CPM: 2" (50.8mm)  
Full Stroke at 100 CPM 8" (203.2mm)  
Patent Pending



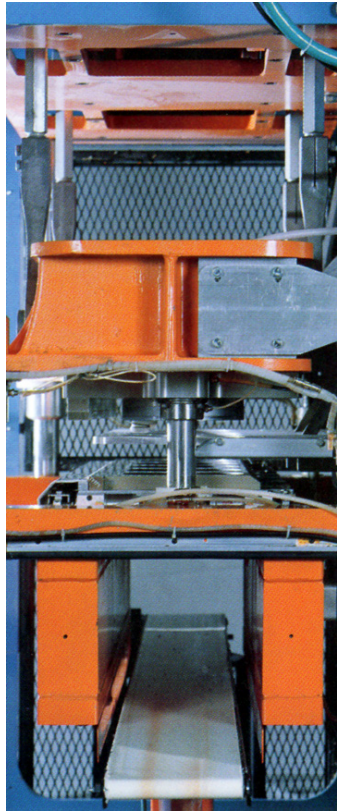


# 50 NT & VTS

## TRIM PRESS

### Specifications

#### Model 50 VTS



<b>Sheet Width</b>	Max. 53" (1346mm) Min. 30" (762mm)
<b>Product Depth</b>	Standard 2.5" (64mm) Optional 3.25" (83mm)
<b>Treadle Adjust</b>	Vertical: 0" Horizontal: 8" (203mm)
<b>Stroke</b>	Max: 6" (152mm) Min. 4" (102mm)
<b>Standard Platen Opening</b>	Across sheet: 56" (1422mm) Index direction: 13" (320.2mm), 15" (381mm) 22.5" (571.5mm)
<b>Maximum Cutting Force</b>	55,000 lbs. (254kn) (27.5 Tons)
<b>Dry Cycle Speed</b>	1-220 cpm
<b>Stack Height</b>	max. 10" (254mm) Min. 1" (25mm)
<b>Servo Pick</b>	Standard
<b>Self Feed Treadle "Auto Start"</b>	Standard
<b>Counter Balance Platen Motion</b>	Standard
<b>Servo Ejector</b>	Optional

#### Model 50 NT

<b>Sheet Width</b>	Max. 53" (1346mm) Min. 30" (762mm)
<b>Product Depth</b>	Standard 2.5" (64mm) Optional 3.25" (83mm)
<b>Treadle Adjust</b>	Vertical: 5" (127mm) Horizontal: 7" (178mm)
<b>Stroke</b>	Max: 8" (203mm) Min. 5" (127mm)
<b>Standard Platen Opening</b>	Across sheet: 56" (1422mm) Index direction: 14" (356mm)
<b>Maximum Cutting Force</b>	55,000 lbs. (254kn)
<b>Dry Cycle Speed</b>	1-220 cpm
<b>Low Profile Canopy &amp; Treadle</b>	Standard
<b>High Profile Canopy &amp; Treadle</b>	Optional
<b>Servo Pick</b>	Standard
<b>Self Feed Treadle "Auto Start"</b>	Standard
<b>Counter Balance Platen Motion</b>	Standard
<b>Servo Ejector</b>	Optional



P.O. Box 10668 • Yakima, WA 98909-1668 • U.S.A.  
2601 W. "J" St. • Yakima, WA 98902

Phone: (509)248-0194 • Fax: (509)248-3503  
www.irwinresearch.com • Email: sales@irwinresearch.com