



Realcold Millers Mechanical Improvements to Hygienic Dressing

Presentation to AgResearch MIRINZ & MIRINZ Inc. Meat Industry Workshop

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Overview of Presentation

- AgResearch MIRINZ & MIRINZ Inc Millers Mechanical (NZ) Ltd relationship
- History 1882 to 1980's
- Late 1980's to 2005
- 2007
- Beyond 2007

AgResearch MIRINZ & MIRINZ Inc Millers Mechanical (NZ) Ltd Relationship



- AgResearch/MIRINZ developed products
 - Final puller
 - Shoulder puller
 - Brisket drill
 - Wide to narrow transfer machine
- Millers Mechanical (NZ) Ltd
 - Commercialized and sold these machine

History 1882 to 1980's



- 1882 to 1940's/1950's
 - Solo slaughter men (100 per day)
- 1950's to early 1980's
 - Slaughter chains (50 slaughter men processing 3200 per day)
 - Hygiene requirements were having an impact on chain manning levels (60 – 70 per day)

Late 1980's to 2005

- There were major changes to sheep slaughter and dressing in the late 1980's
- There was the introduction of Inverted Dressing which incorporated the use of mechanical pelt removal equipment. These machines were the:
 - MIRINZ developed Shoulder Puller and Final Puller Machines

Shoulder Puller



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Final Puller



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Brisket Roller



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Flanking Tool



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Late 1980's to 2005

- How has this impacted on sheep slaughter and dressing
 - A reduction in physical input effort required
 - Gone from hands on dressing to hands off
 - A reduction in chain manning levels (now approximately 30 slaughter men processing 3500 per day/per shift)
 - This dressing system is widely used in New Zealand, Australia and many other countries

2007



VIP Shoulder Puller

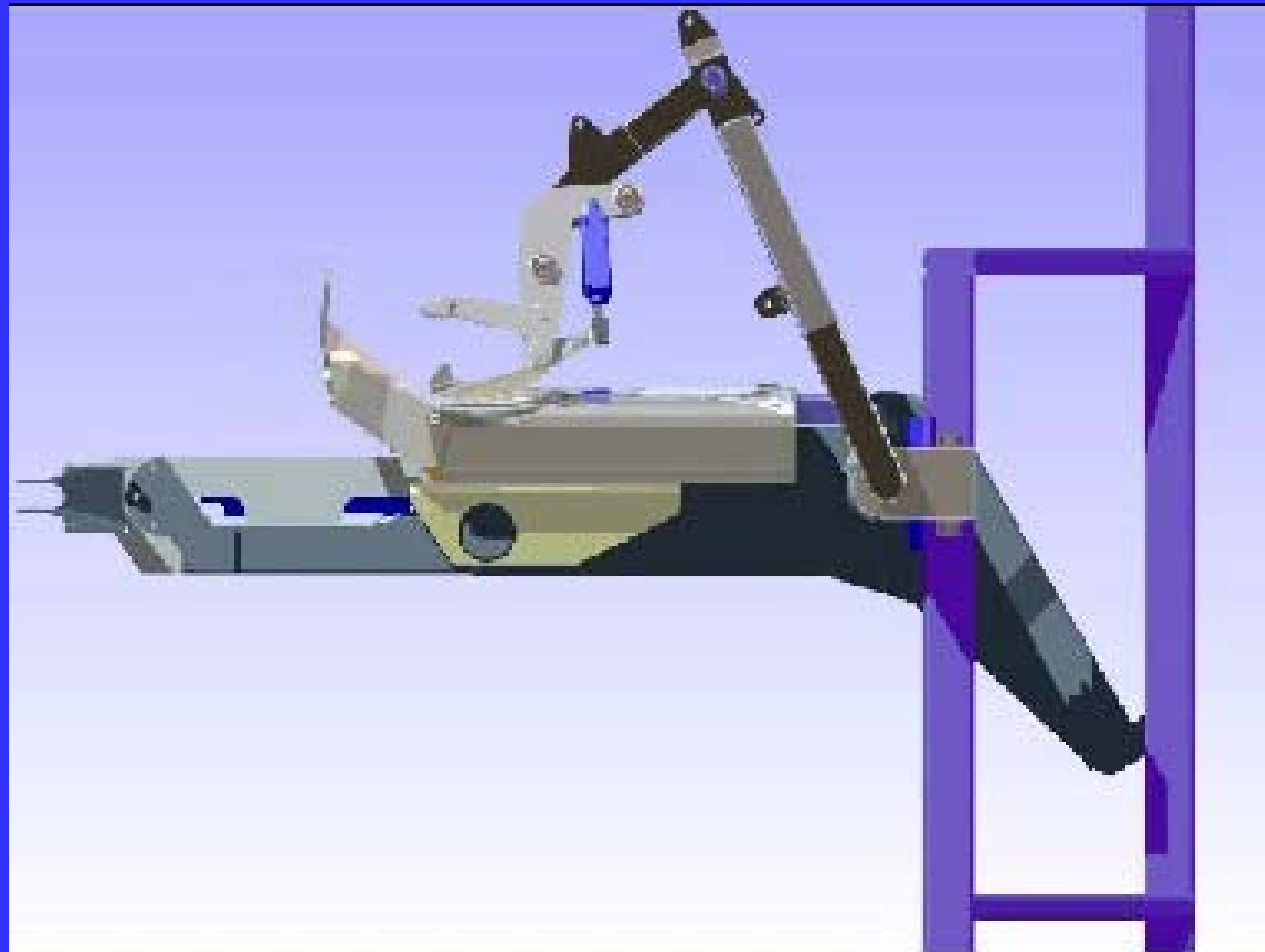


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Beyond 2007

Automatic Sock Splitting



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