

Ministerio de Industria  
Presidencia de la Nación



# INSTITUTO NACIONAL DE TECNOLOGÍA INDUSTRIAL (INTI)





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## ABOUT US

The National Institute of Industrial Technology (INTI) is a decentralized organization of the Argentine State within the jurisdiction of the Ministry of Industry. It plays a key role in the process of Argentine social and productive development.

INTI is one of the main organizations of sciences and technology in the public system, along with CONICET, INTA, CNEA and National Universities.



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## ABOUT US

INTI is an organism for the generation and transfer of industrial technology in order to contribute to local industrial development and society welfare on a permanent and sustainable basis.

## INTI PROVIDED

- Technical assistance in the development of innovative solutions to improve industrial competitiveness.
- Strategic support to strengthen the development of national suppliers and products, from the design stage to the final product.
- Support for increasing productivity, quality and continuous improvement capability.



## MAIN SERVICES CURRENTLY DELIVERED

- Innovation and development
- Technology transferor
- Technical Assistance, Analyses and Tests
- Calibrations
- Voluntary and mandatory certifications  
Interlaboratory tests
- Audits
- Outreach activities over the territory
- Training activities





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## INTI ALL OVER THE COUNTRY

Over 2400 people compose INTI's staff and they are distributed over the 24 Argentine provinces throughout Research and Development Centers, Outreach and Information Units.

-  Research & Development Centers
-  Outreach Units
-  Information Offices



## MAIN STRATEGIC PROJECTS

- Microelectronic Center
- National Plan automobile industry's spare parts suppliers
- Mining value chain
  - Tyre recycling
  - Litium value chain
- Small scale productive units development
- Support for the hydrocarbons industry
- Aeolian cluster assistance
- Agricultural machinery development



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## INTI'S AGRICULTURAL MACHINERY PROGRAM

The INTI's "Agricultural Machinery Program" main mission is to support the technological and productive development of the Argentinean agricultural machinery sector, working with companies in the resolution of problems for development, emphasizing in collective learning processes and innovation.





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# MACHINES FOR SMALL-SCALE PRODUCERS

grain harvester drag

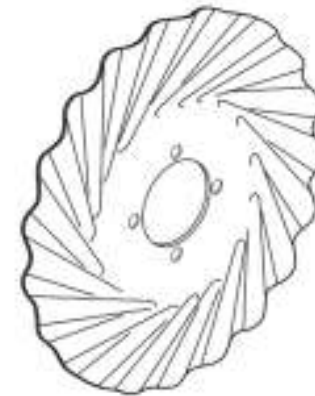


# STANDARDIZATION OF AG. MACHINERY COMPONENTS

**hydraulic hose assemblies**



**seeders blades**



**hydraulic cylinders**

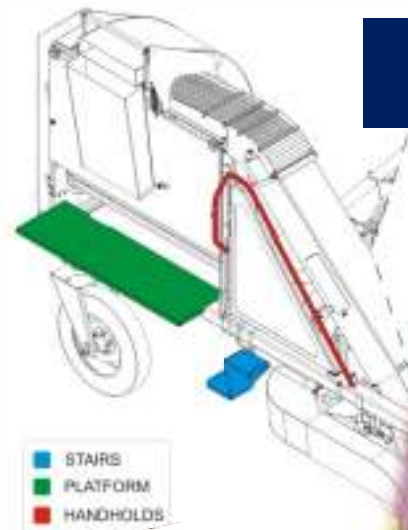


# SAFETY OF AGRICULTURAL MACHINERY

## risk assessment

[illegible]

## design of security parts



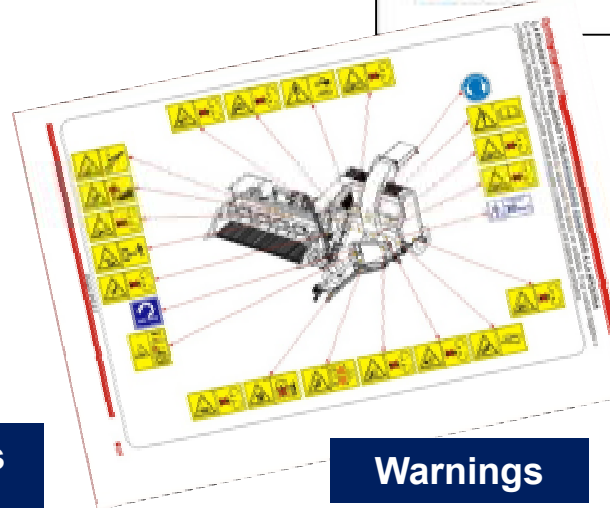
## tests



# operator's manual



## Warnings







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## TECHNICAL COMMITTEE OF STANDARDIZATION (AG. M.)



Instituto Argentino  
de Normalización  
y Certificación

IRAM is an ISO member



**Some IRAM standards about  
Agricultural Machinery**

IRAM 8076-0 → Ag. Machinery  
IRAM 8076-1 y 2 → Tractors  
IRAM 8076-6 → Sprayers  
IRAM 8076-7 → Harvesters  
IRAM 8055-1 y 2 → Symbols  
IRAM 8075 → Safety signs

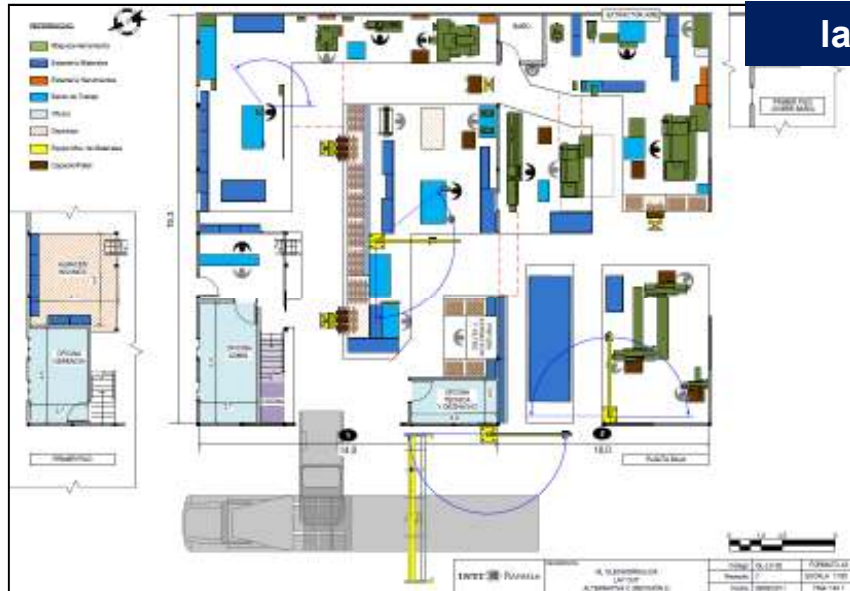
**Latest voting in ISO  
Agricultural Machinery**

ISO 4251-1 → Ag. Machinery  
ISO 12140 → Drawbar Jack  
ISO 16231-2 → Stability  
ISO 28923 → Guards

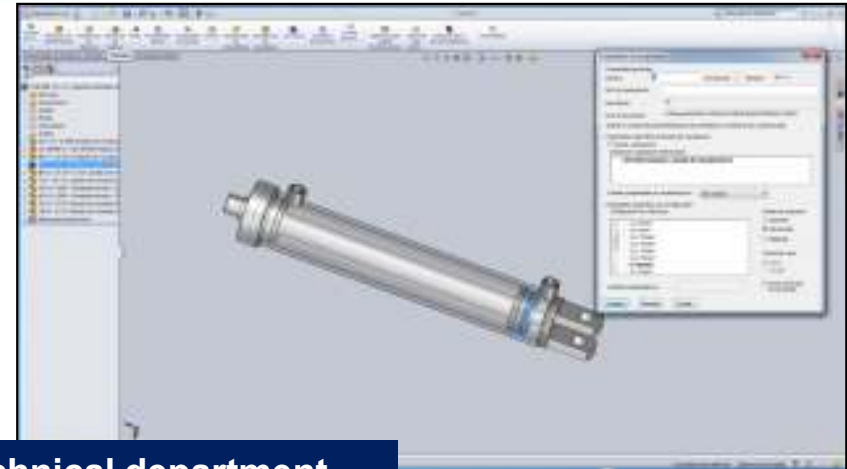


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# TECHNICAL ASSISTANT TO AG. MACHINERY INDUSTRY



lay out



technical department

industrial organization

Quality control



## TO SUM UP

### INTI PROVIDES SERVICES TO:

- SMEs – Small and Medium Enterprises
- National and local government levels
- Public organisations and agencies
- Industrial companies, trade and entrepreneurial associations
- NGOs involved in industrial issues, consumer protection and employment development
- Countries with similar levels of development (horizontal cooperation)

### INTI FULLFILLS ITS FUNCTIONS IN FOUR LEVELS:

- Tests and certifications
- Technical assistance
- Development
- Extension and training activities



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# Thank you very much for your attention

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