

MEKATRONİK

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DERS KAYNAKLARI

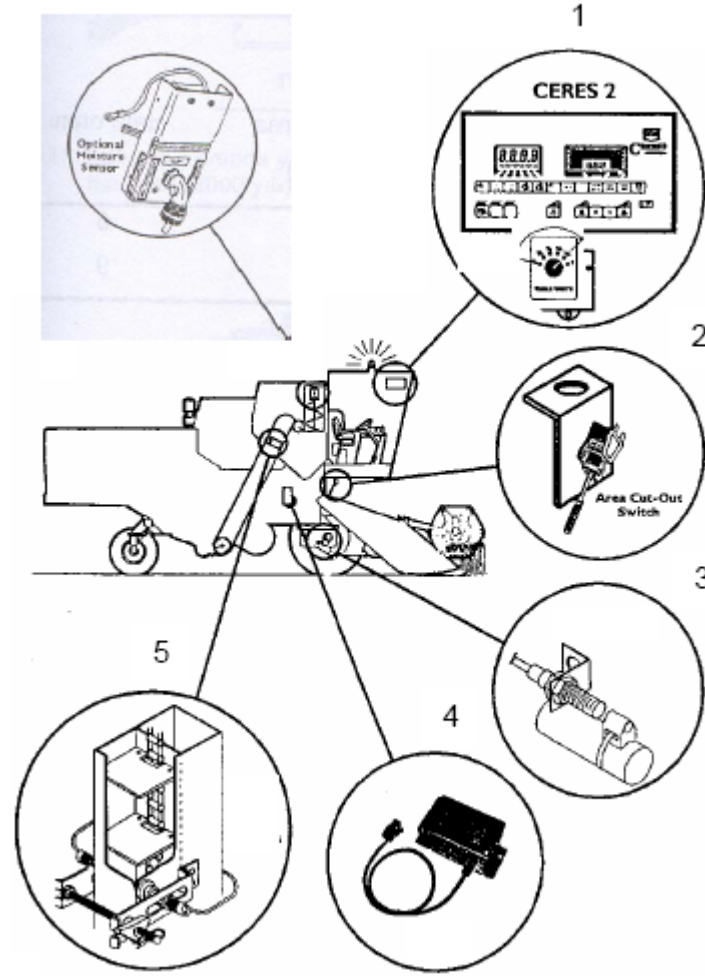
1. Cetinkunt, S. 2005. Mechatronics. John Wiley & Sons,INC. Press. ABD
2. W. Bolton. Mechatronics: Electronic Control Systems in Mechanical and Electrical Engineering (Anglais) Broché – 27 février 2015

8. Arıza Testi:

Arızalardan dolayı meydana gelen zaman kayıplarını ve tamirhanelerde oluşan masrafları en az düzeyde tutabilmek için.

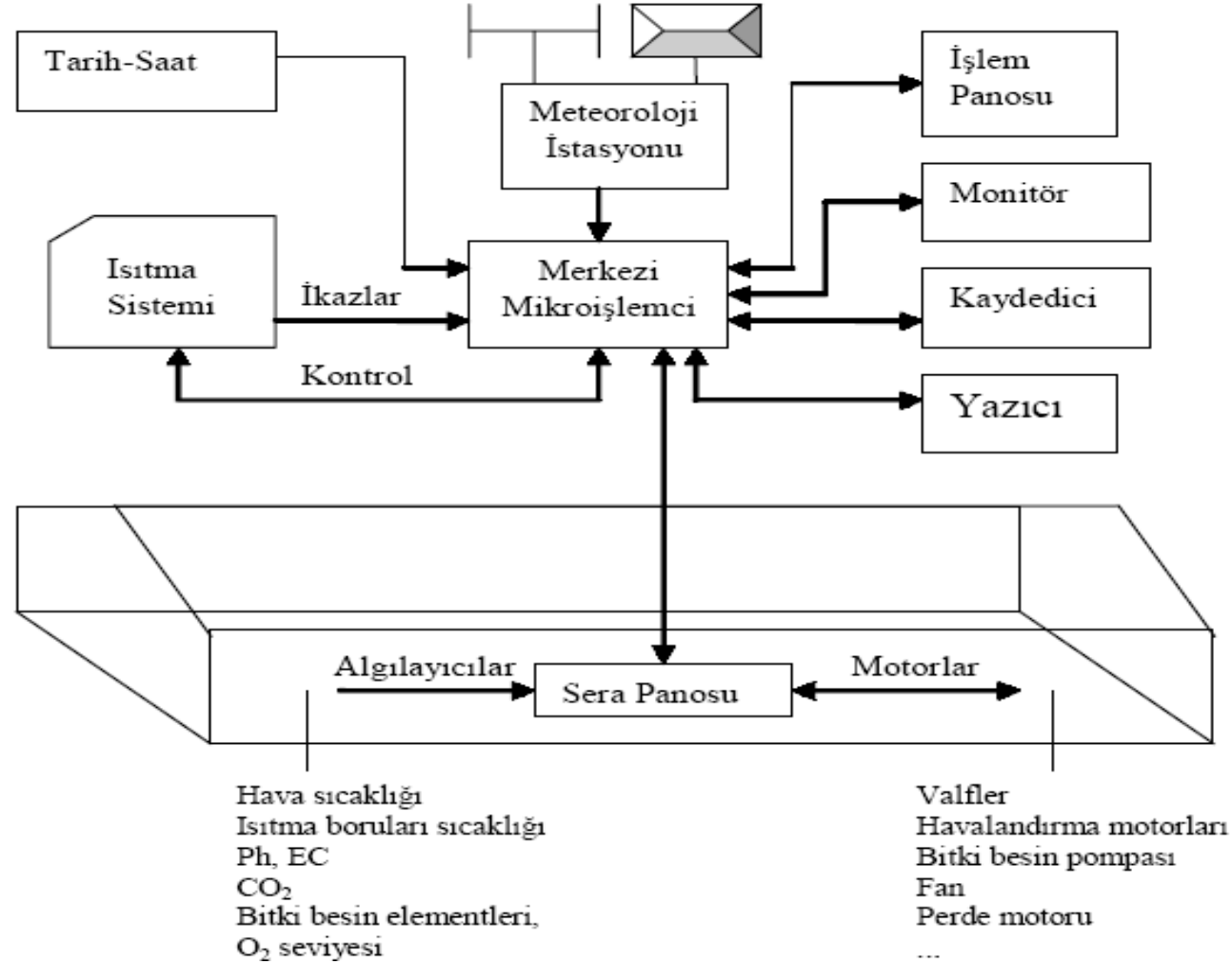
BİÇER-DÖVER



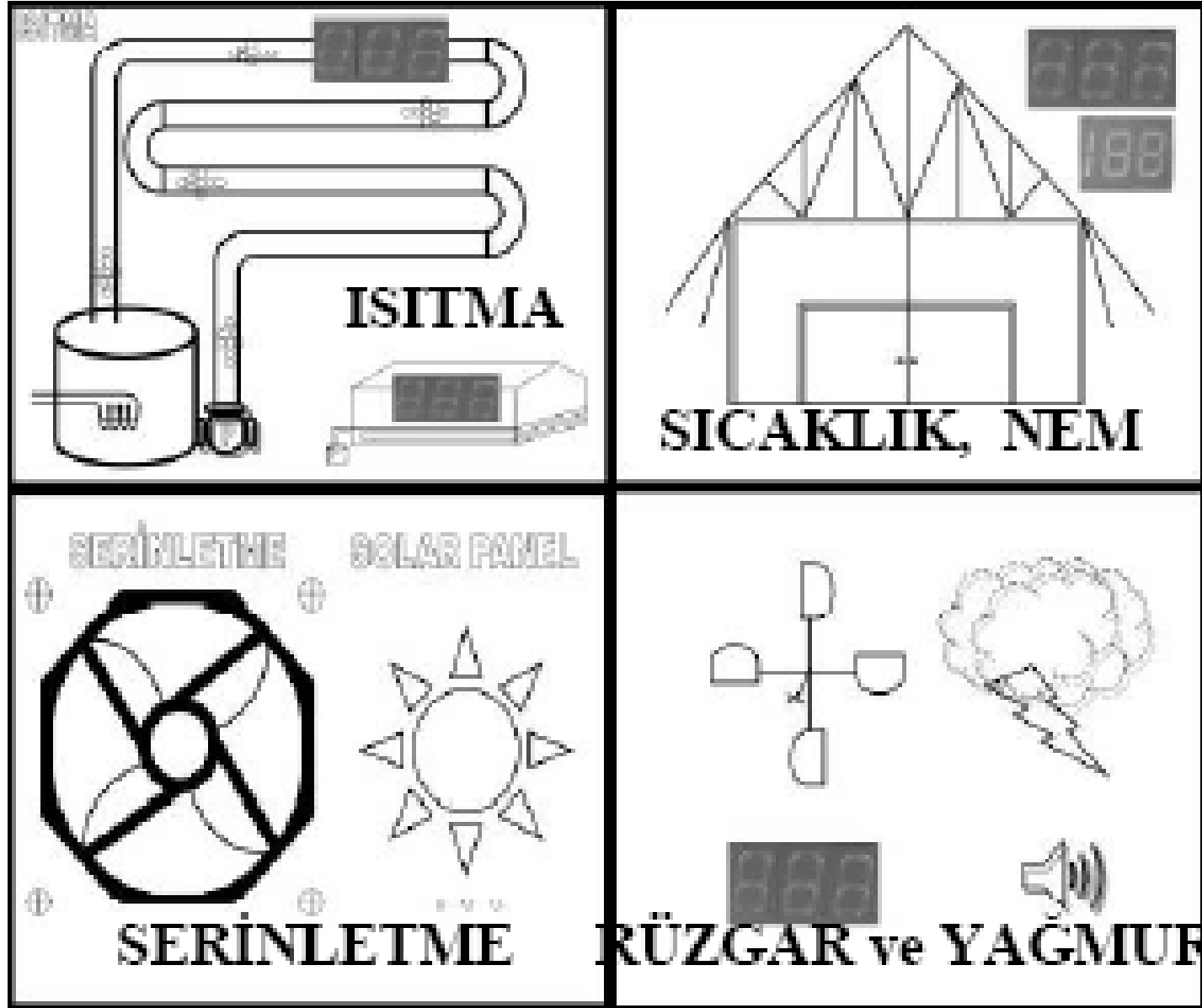


Şekil . Biçerdöver verim ölçüm ve kayıt sistemi (1. Veri kayıt cihazı ve iş genişliği ayar rölesi, 2. Tabla kesme anahtarı, 3. Hız sensörü, 4. Eğim ölçer, 5. Verim sensörü, 6. Nem sensörü (opsiyonel)) (Türker ve Güçdemir, 2004)

SERALARDA MEKATRONİK UYGULAMALARI



Şekil . Seralarda kontrol sistemi akış diyagramı (KÜRKLÜ, A. 2005).



Şekil . Sera sistemleri şematik görünümü (KÜRKLÜ, A. 2005).

Settings **Simulation**

Have you made all the setting selections? If not, choose the **Settings** tab and complete your choices.

Play

Select **Play** to run your custom simulation. NOTE: simulation data appears in Readings window at upper right, data history shown in graphs below.

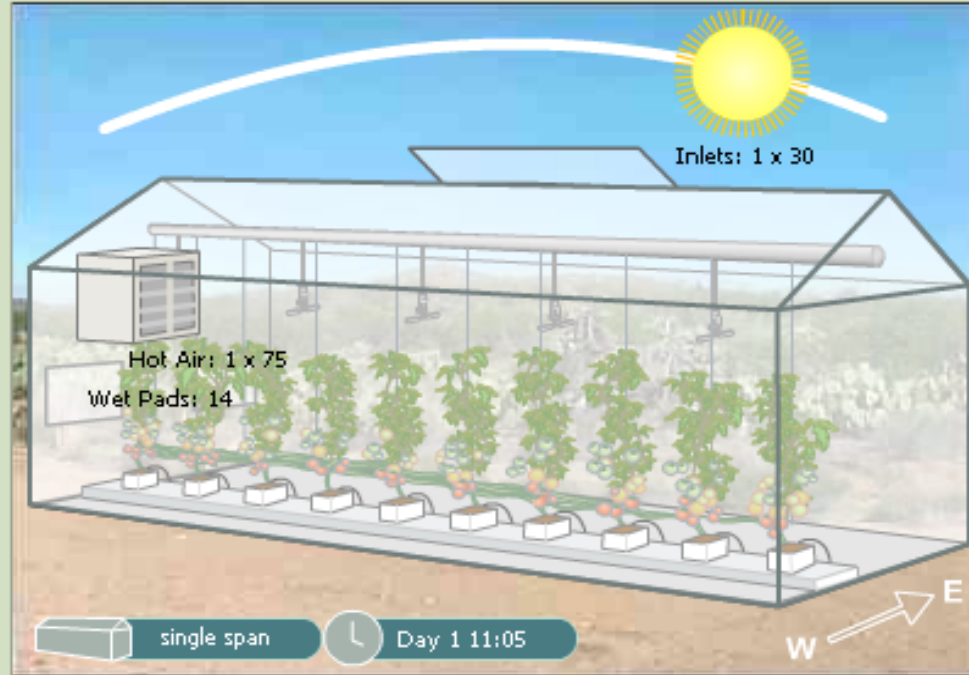
Numerical Results

Graph Legend

- Inside
- Outside

City: Tucson, AZ
 Elevation: 713 m
 Latitude: 32° 16' 49"
 Longitude: 110° 56' 45"

Readings	Solar Rad.	Temp.	RH	W
■ Inside	585	28.1	28	708
■ Outside	792	28.4	13	328

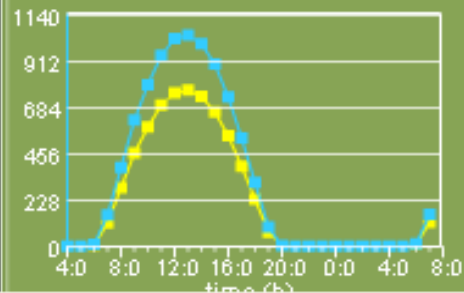


Messages

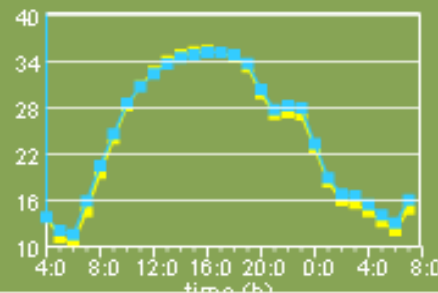
ENVIRONMENT:
 Season: Spring
 Location: Tucson, AZ
 STRUCTURE:
 Type: A-Frame
 Spans: Single
 Orientation: North-South
 GLAZING:
 Type: Polycarbonate
 Layers: single
 Fans:
 Quantity: 0
 Capacity: 0
 Inlets:

Send Results

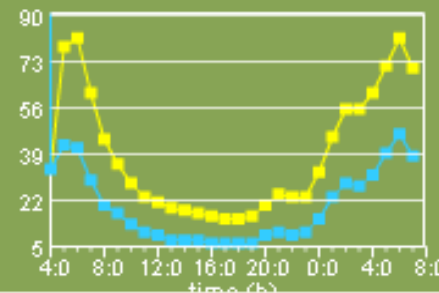
Solar Radiation (W/m²)



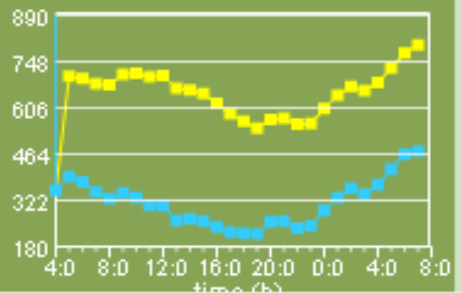
Air Temperature [°C]



Relative Humidity (%)

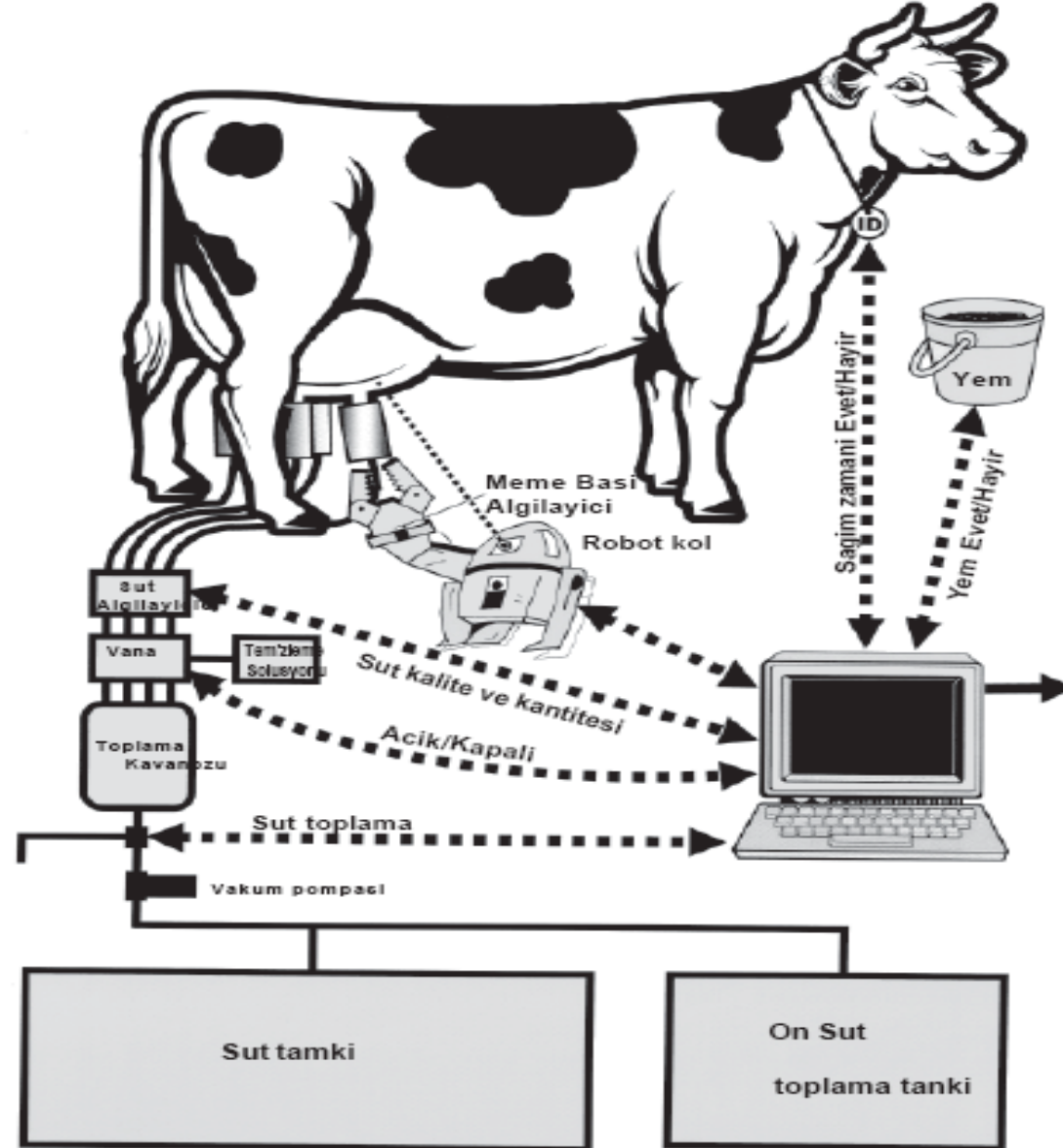


Humidity Ratio [kg/kgDA] x 10⁻⁵

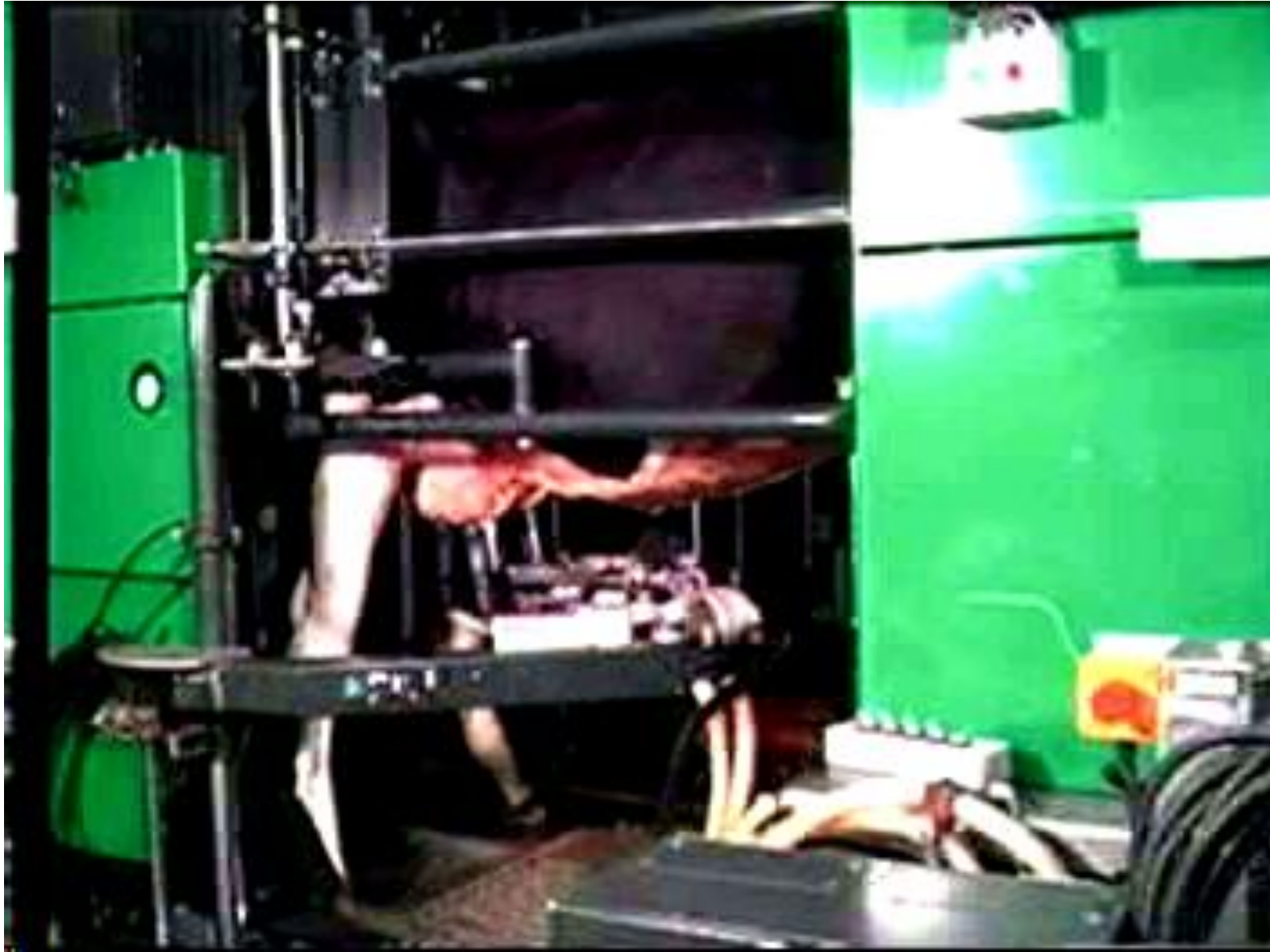


Şekil . Sera simulasyon programı(<http://ag.arizona.edu/ceac/wge/simulator>).

HAYVANCILIKTA MEKATRONİK UYGULAMALARI



Şekil .Robot sağım ünitesinin unsurları.



Şekil .Robot sağım ünitesi.

- Hayvan ağırlığı,
- Süt verimi,
- Süt analizi,
- Kızgınlık takibi.

SALINIMLI ÇALIŞAN TARIM MAKİNALARINDA ZEMİNE
PARALELLİK SAĞLAYAN AYAR DÜZENİNİN
GELİŞTİRİLMESİ VE MODELLENMESİ