PRODUCT BENEFITS

- Fast, accurate, reproducible system
- Data capture direct to a computer
- Portable
- Multiple samples can be loaded to accelerate processing
- Calibration unit supplied as part of system
- Results given as shear force (kgF) units
- Force deformation curve generated for each sample to identify other important textural attributes

Carné Technologies

WHO ARE WE?

Carne Technologies is committed to providing systems and expertise to improve product quality and processing efficiencies in the primary, secondary and retail meat sectors.

We develop, manufacture and supply state-of-the art technologies for use in carcass processing, and real-time quality measurement systems. The technologies are integrated with in-depth consultancy to design, tailor or optimise processes and procedures in the abattoir, boning room or retail meat preparation facility. Our highly experienced technical team provide remote support for all our equipment and can problem solve processing and quality problems.

The pioneering technologies we have developed in New Zealand are being used by meat processors around the globe.

Carné Technologies

TENDER-O-METER

CARNE TECHNOLOGIES

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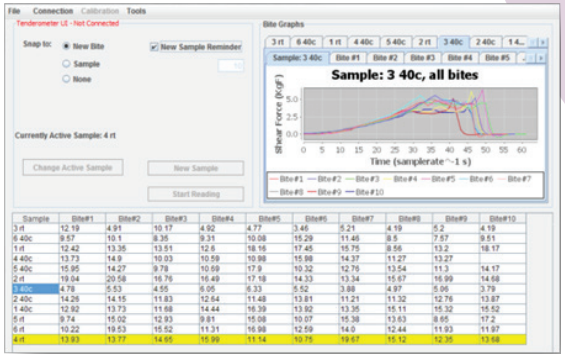
WHAT IS A TENDER-O-METER?

Carne Technologies designed the Tender-O-Meter to offer the meat industry and research laboratories a simple, rapid and reliable device to routinely measure meat tenderness.

The device can be used as part of quality control operations, in product development and as a research and marketing tool. The Tender-O-Meter readings link closely with consumer preferences and therefore provide a direct indication of product acceptability.

For each sample, the system software ('Tendersoft') collects and stores the peak force required to shear through a sample of cooked meat, and displays a real-time force/ deformation curve that can be analysed later for other textural attributes.



CARNE TECHNOLOGIES TENDER-O-METER

TECHNICAL SPECIFICATIONS

CONTROL BOX:

Electrical input: 100-300V, 50-60Hz
Weight: 4.1kg (Note – no plural)
Dimensions: 220mm x 150mm x 110mm

MINIMUM COMPUTER HARDWARE REQUIREMENT:

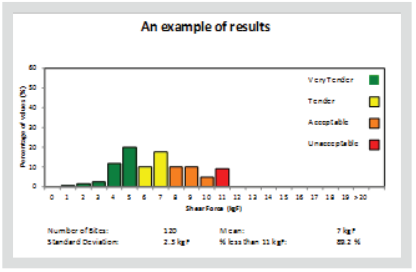
254MB of RAM; 200MB free non-volatile storage memory; 500 MHz processor; USB1.1 or greater, or RS-232 serial port; some form of screen / graphics capability for viewing the program; a Java Runtime Environment (JRE).

THE TENDERNESS TESTING PROCESS

Cooked meat sample cut into 'bites'

Sample tested by Tender-O-Meter

Shear force data captured by TenderSoft



Results presented in a histogram format that relates shear force values to consumer acceptability