
INTERFACE PRESSURE MAPPING

Mason Medical Products
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Address
New Hyde Park, NY 11042

Tested By:
Shane M. Lewis
Certified by:
Brent L. Larson

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Sample ID: Dynamic

Size: 79" x 36"

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TEST RESULTS SUMMARY: Interface Pressures, mmHg

	Subject	(1)	(2)	(3)	ALL
Scapula	Max ->	26	24	27	27
	Avg ->	14	17	21	17
	St.Dev. ->	4.0	3.1	3.2	4.4
Sacral Prominence	Max ->	37	35	29	37
	Avg ->	25	30	25	27
	St.Dev. ->	4.0	3.9	3.0	4.4
Heel	Max ->	28	26	19	28
	Avg ->	17	17	15	16
	St.Dev. ->	6.7	6.6	3.4	5.6

Subject	Sex	Height	Weight (lbs)
1	F	5' 4"	125 lbs
2	M	5' 6"	180 lbs
3	M	6' 0"	205 lbs

Note: The mattress core was pressure map tested without the coverlet.

TEST PROCEDURE:

An Xsensor pressure mapping system was employed for conducting this evaluation. The sample was placed onto a sturdy laboratory surface. Three subjects were used for the analysis and selected according to specific weight and height ranges. The subjects were dressed in an appropriate size cotton sweat suit with no shoes to ensure optimum contact with the full surface sensor matrix. One position was employed: back lying. A 5 minute acclimation period was employed prior to obtaining the measurement. Color pressure maps are included at the end of this report. At the client's request the mattress core was pressure map tested without the coverlet.

A 4" by 5" area representing 63 individual sensors was used to isolate and average the pressure points. The maximum values were obtained from each individual pressure point. As a result, out of a possible 63 pressure readings the maximum values were determined by the highest pressure reading per body location.

It is the policy of Element Materials Technology to use recognized test procedures whenever possible, such as ASTM, ANSI, ISO etc. To Element's knowledge, no standard procedure exists for interface pressure testing at the present time. The test method employed for this analysis is based on sound laboratory practice. The equipment used for the evaluation was calibrated and used in accordance with the manufacturer's specifications.

REMARKS:

The tested sample will be retained for 14 days from the date of this report and then discarded unless we received written authorization requesting otherwise. Return shipping, if requested, will be paid by the customer.

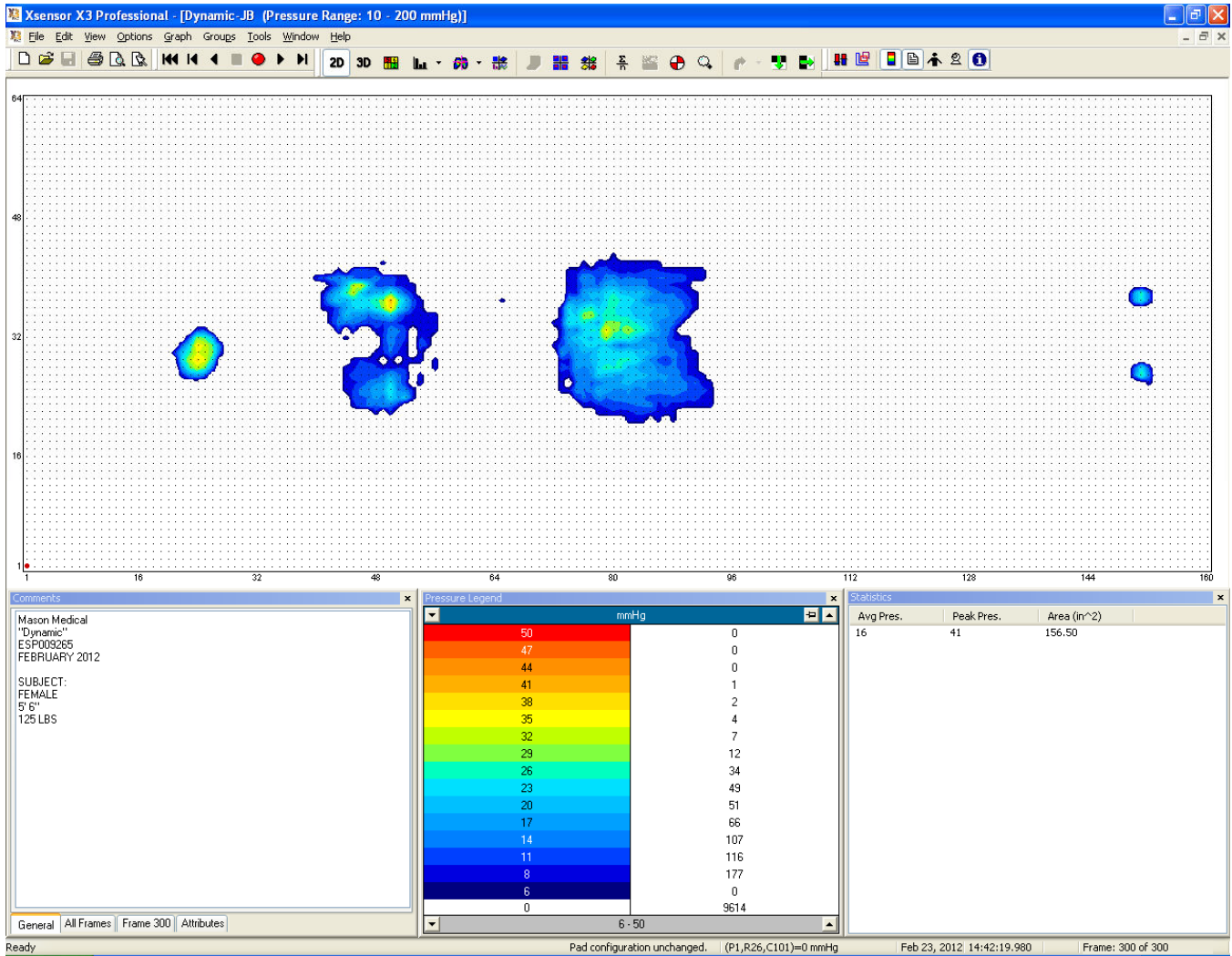
The test results contained in this report pertain only to the samples submitted for testing and not necessarily to all similar products.

Tested by:

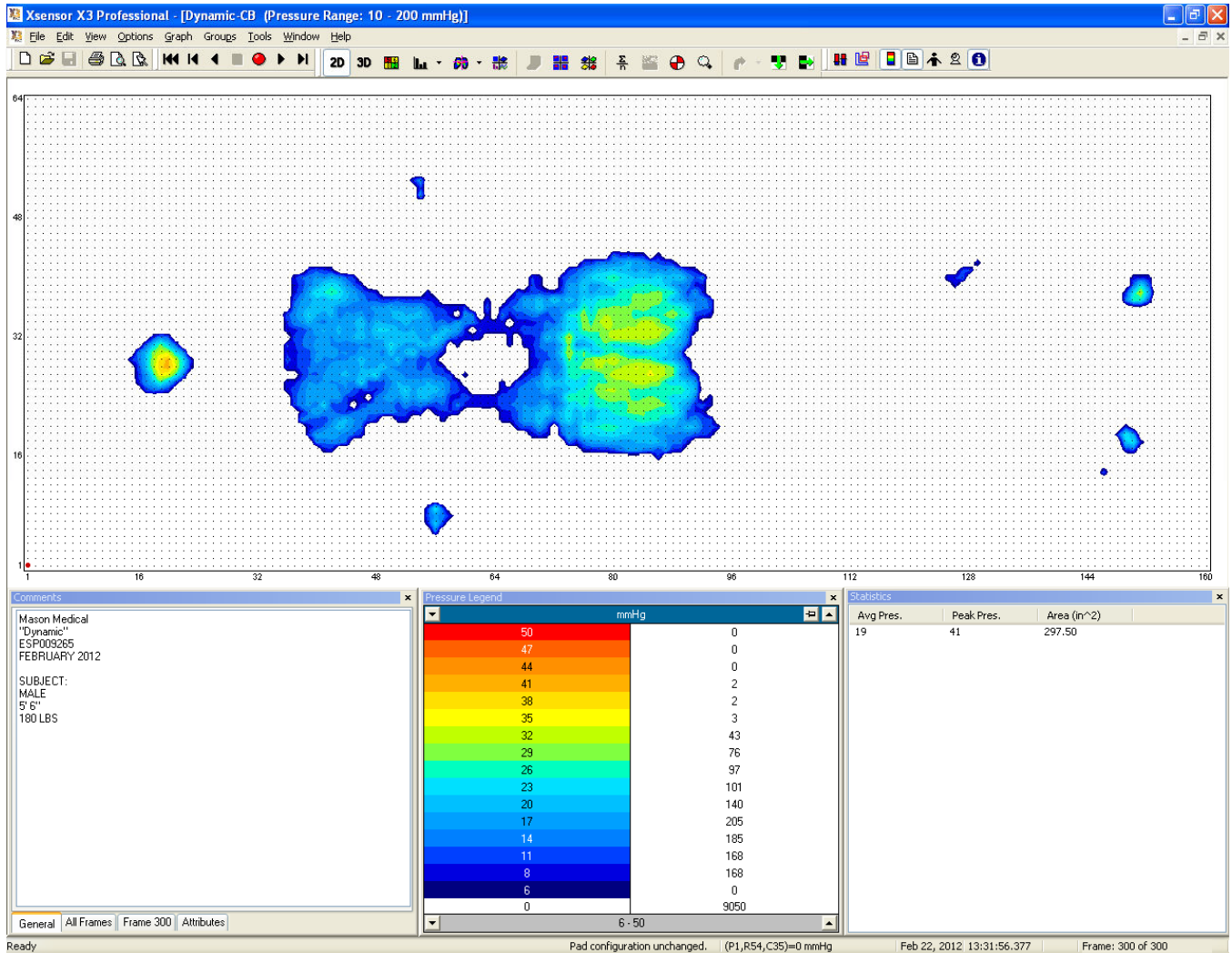
Shane M. Lewis
Coordinator
Sleep System Evaluation

Certified by:

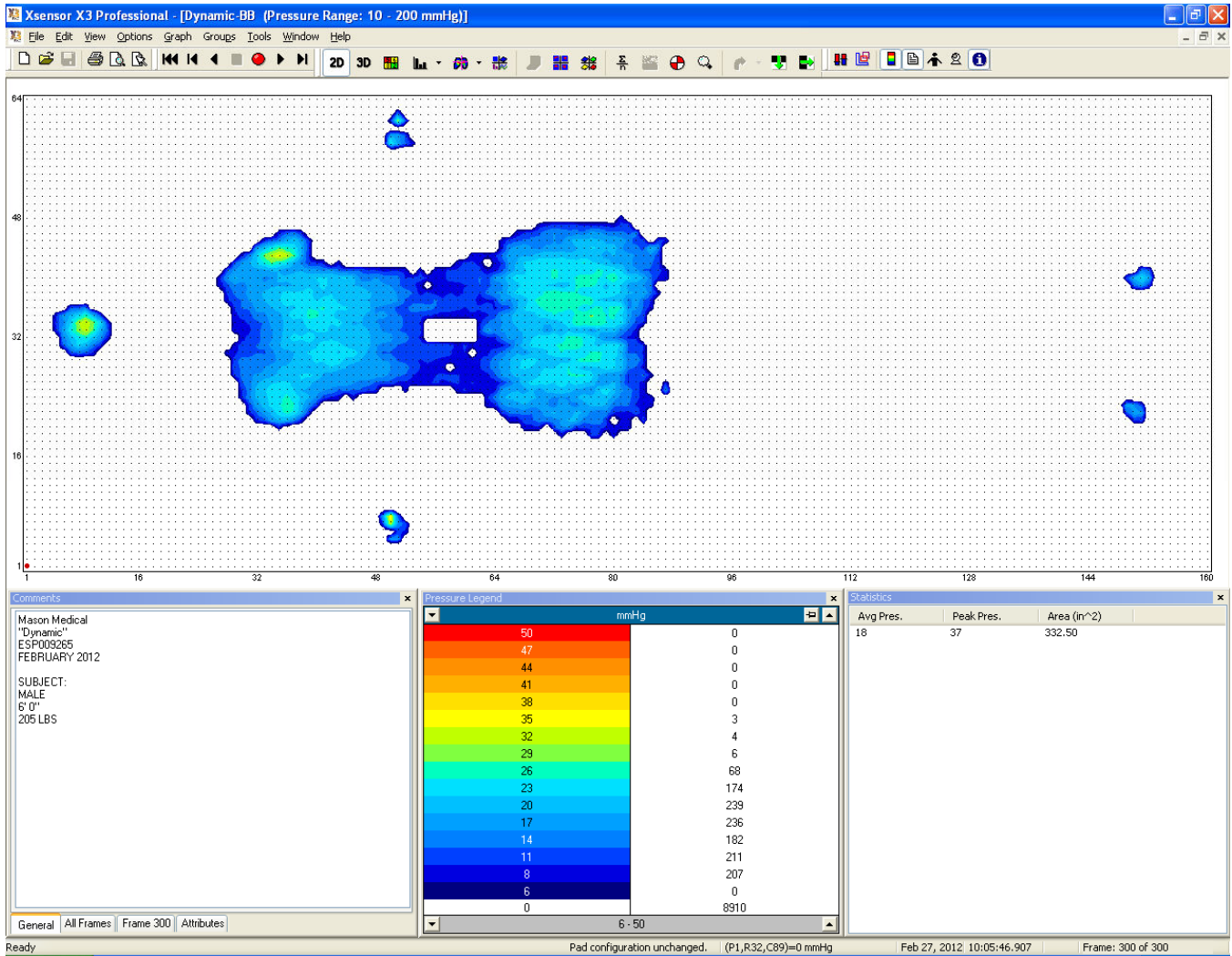
Brent L. Larson
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Sleep System Evaluation
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Subject 1 – Back Lying



Subject 2 – Back Lying



Subject 3 – Back Lying