

Congratulations Australian Paralympic Team Best Results ever!

Turn over for more details

World First FDM Prosthesis

The first FDM Fused Deposition Modeling prosthesis has been built by **REHABTech**. Earlier stages of this project have been presented at various forums previously. The modified socket, desired cosmesis (can be reverse image of the sound side) and alignment details are used to build a digital image of the prosthesis. This information is then converted using a specifically built software program developed at **REHABTech** so it can be read by the FDM software. The whole prosthesis, socket, cosmesis and structure are then built as one by the Fused Deposition machine out of ABS. ABS is an industrial strength plastic that can be coloured easily with automotive paints.



Figure 1, Finished Prosthesis prior to being painted. Computer image of Prosthesis

International Telemedicine

Just published in the journal *O&P World* (<http://www.oandp.com/resources/publications/busworld/fea5.htm>) is an article entitled *International Telemedicine*. Judith Otto, in an interview with the Manager of REHABTech - Bill Contoyannis, describes real-life examples of how telemedicine is being used to spread current information on patients and referrals in a cost-effective manner in Australia.

A link-up of 12 sites allowed John Michael of Minneapolis to deliver a 1 ½ hour presentation on *Controversial trends in North American Prosthetic and Orthotic Practice* in real-time and to an audience half-way across the

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world. (This seminar is also archived on the REHABTech website at <http://www.monash.edu.au/rehabtech/courses/index.htm#Courses>). Bill described another seminar on motion control which was conducted in January of this year (<http://rehabtech.eng.monash.edu.au/motioncontrol>) and he describes other ways in which Dr Andrew Nunn (REHABTech Clinical Director) regularly conducts clinics for assessment and prescription, review, analysis of gait, analysis of wounds, healing, and more, by using this technology.

Vale Dr Ernest Burgess

Dr Ernest Burgess passed away on September 27 th, 2000. Dr Burgess did extensive work with the Veteran's Administration in the USA and later with Prosthetics Research Study.

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Rank	Country	Gold	Silver	Bronze	Total
1	Australia	63	39	47	149
2	Great Britain	41	43	47	131
3	Spain	39	30	38	107
4	Canada	38	33	25	96
5	USA	36	39	34	109
6	China	34	22	16	72
7	France	30	28	28	86
8	Poland	19	22	12	53
9	South Korea	18	7	7	32
10	Germany	15	42	38	95

The Sydney 2000 Paralympic Games have been a great success. Athletes from 125 countries competed in 18 different sports. The games have drawn huge crowds with over one million tickets being sold. Over 320,000 schoolchildren attended.

Event comparisons

Event	Paralympic record	Sydney 2000,	Olympic record	Sydney paralympics
Men's 100 m Athletics	10.72 sec Ajibola Adoye, Nigeria (arm amputee)	9.87 sec Maurice Greene, USA	9.84 sec Donovan Bailey, Canada	T44 11.09 sec Marlon Ray Shirley, USA
	11.63 sec Tony Volpentest, USA (Double arm, double leg amputee)			T46 11.13 sec Elliot Mujaji, Zimbabwe
Women's 200 m Athletics	25.31 sec Marla Runyan, USA (visually impaired)	21.84 sec Marion Jones, USA	21.34 sec Florence Griffith Joyner, USA	T46 25.86 sec Amy Winters, Australia
Men's 800m Athletics	1:40.63 sec Scot Hollonbeck, USA (wheelchair)	1:45.08 Sec Nils Schumann, Germany	1:41.71 sec Sebastian Coe, Great Britain	T54 1:38.22 sec Jeff Adams, Canada

COMING EVENTS

2 - 4 th November	ISPO ASM (Adelaide) Telephone: (08) 8227 0252
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