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Subject: Re: 12Pi development

Posted by [Wayne Parham](#) on Wed, 08 Jul 2009 15:08:19 GMT

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dB wrote on Wed, 08 July 2009 03:16 I would like to ask Wayne, about the LAB12s. Do they have foam surrounds, or was that changed already, for new versions.

Yes, the LAB12 and PI-12 woofers have foam surrounds.

dB wrote on Wed, 08 July 2009 03:16 Very good explanation from Wayne. I was bothering with that for years. Thanks. I would say that CNC programming can be ~1/2 the price of the parts for a small scale production (a pair or more). A lot of people don't know, when we talk about computers, they are used to go to a shop shelf and buy the CAD 'games'. So what is the worst part for Wayne and everybody (or better) is the turning point, when you can 'sell' the CAD/CAM drawings done and payed a few years back, not just (for) the initial prototype.

That's very true. It was not your typical development cycle of McBean model to cut and fit prototype to drawing. This one had significant design costs associated with it.

I spent tens of thousands of dollars on R&D for this basshorn, much of it on having the CAD and CAM drawings and models done. Over and above that, I spent another huge chunk of change on the patent for the cooling system. So when people get the plans, they're getting the benefit of a huge investment in time and money.

All of my loudspeakers have an associated investment of my time, my models, and my measurements. There's usually several hundred hours of design and testing involved. But that's mostly sweat equity, so to speak, with the other costs being limited to cost for the prototype, and amortized costs of the measurement gear and so on.

thousands of man-hours in design, testing and associated support efforts. It's a pretty big deal.

Nothing else even comes close.

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