

The Company



waterjet propulsion systems

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BRIEF HISTORY 1965-1969

- Keen on motor boating and especially the new experimental type of jet propelled boats that were just starting to appear in some boating articles, Frank Udvary applied his own Mechanical Engineering training and work experience with industrial pump design to produce his own prototype waterjet units.



1960s



1970s



1980s



1990s



2000s



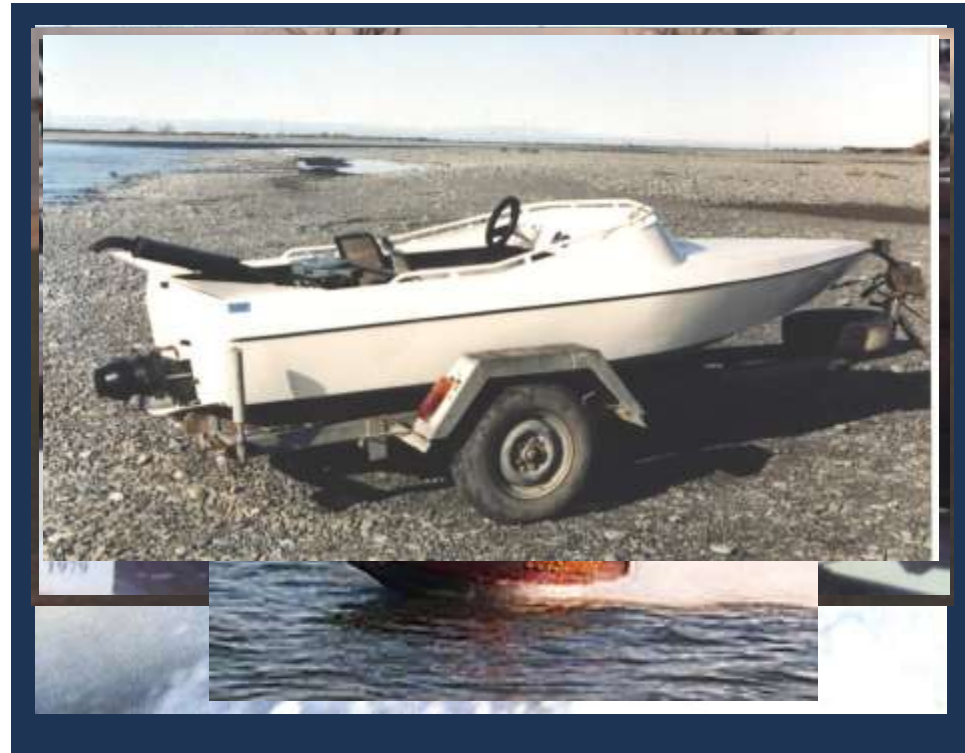
2010s



The Company

BRIEF HISTORY 1970-1979

- After much experimentation and refinement the product was deemed to be commercially ready.
- Doen Marine was formed and the DJ80 model was offered within Australia for use in small pleasure and ski boats.
- Following on from this the DJ60 waterjet was developed. As today's PWC market had yet to evolve this unit responded to the demand for small craft application and coupling to the new, small, marine two stroke engines that were merging
- From this small base the business grew as several local boat builders offered waterjet models in their range.



1960s



1970s



1980s



1990s



2000s



2010s



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BRIEF HISTORY 1980- 1989

- Increased general interest in the benefits of waterjet propulsion gives rise to new applications and new markets. The larger DJ100 model is developed providing higher thrust which subsequently found application in slower speed craft requiring very shallow draft capability.
- International enquiry from Japan for a “safer” propulsion for dive boat and Alaska for their growing small craft net fishing fleets initiated the development of the DJ130 and DJ140 models.



1960s



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2010s



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BRIEF HISTORY 1990 - 1995

- The DJ105 and DJ110 models were added to complete a full range of product from the DJ60 through to the DJ140. Additionally integrated reverse and steering systems are engineered for the jets to be able to provide complete packages.
- **Pacific Jets** is appointed to co-ordinate all sales and marketing initiatives as well as undertake the development of international distributor base. The DJ170 model is developed as the largest model in the range.
- Enquiry for larger waterjet products to suit 18m – 30m vessels leads to design study that yields the proposed 200series product range. Sales are pursued on a case basis resulting in an initial DJ220 patrol boat project for Vietnam.



1960s



1970s



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2010s



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BRIEF HISTORY 1996 - 1999

- **Twin Disc Inc.** is appointed as Master Distributor for North and South America.
- To capitalise on the Twin Disc brand product is manufactured by Doen in Australia but badged as TWIN DISC for this region.
- A multiple vessel patrol boat project is secured in Malaysia resulting in the first deliveries of the new DJ260 model.




- 1960s** 
- 1970s** 
- 1980s** 
- 1990s** 
- 2000s** 
- 2010s** 

The Company

BRIEF HISTORY 2000 - 2005

- With a growing list of case examples and a refinement of features and new control system options the 200series is marketed more broadly. All models are offered from DJ200 through to DJ290.
- Doen Marine and Pacific Jets are consolidated resulting in improved productivity and cost competitiveness ongoing. This also provides for better co-ordination of technical support in sales activities and customer service.
- Doen collaborates with Mercruiser/CMD to develop, test and manufacture a waterjet product for them to offer in packaged format with their new range of diesel engines up to 250hp.



1960s



1970s



1980s



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2010s



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BRIEF HISTORY 2006 - 2009

- The DJ120 product is added to match with the new high speed diesels engines in the 450-600hp range.
 - New DJ100G
- AND
- New DJ170HP models replace older models with better performance and new features.



1960s



1970s



1980s



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2010s



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BRIEF HISTORY 2006 - 2009

- With several successful pilot applications of the Direct Thrust (DT) and Integrated Waterjet (IWJ) model in commercial service; the product variant is offered for suitable DJ170, DJ200, DJ220 and DJ260 enquiry on a case basis.
- This unique and extremely cost effective products generate high levels of interest.



1960s



1970s



1980s



1990s



2000s



2010s



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BRIEF HISTORY 2010

•With the successful delivery and sea trial of our largest waterjet DJ350 (300series product) and its associated CAN BUS controls system, with docking feature, enquiry for and opportunity for sale of larger - multiple waterjet packages continues to grow steadily



1960s



1970s



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2010s



The Company

BRIEF HISTORY 2010

- With the successful delivery and sea trail of our largest waterjet DJ350 (300series product) and its associated CAN BUS controls system, with docking feature, enquiry for and opportunity for sale of larger - multiple waterjet packages continues to grow steadily
- First deliveries of New model **DJ140HP**. This model superseding the original DJ140 with totally new design incorporating latest (best) pump designs, fabricated intake and arrangement that readily lends itself to Direct Thrust and I.W.J. versions.
- The new **DJ140HP** can be coupled with engines up to 900hp in high speed applications making it ideal for the (growing) high speed patrol boat market in the 15-17m range.



1960s



1970s



1980s



1990s



2000s



2010s



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BRIEF HISTORY 2012

- Doen signs License agreement with WMMP



1960s



1970s



1980s



1990s



2000s



2010s



The Company

TODAY

- Doen signs License agreement with TMOT



1960s



1970s



1980s



1990s



2000s



2010s





Thank you