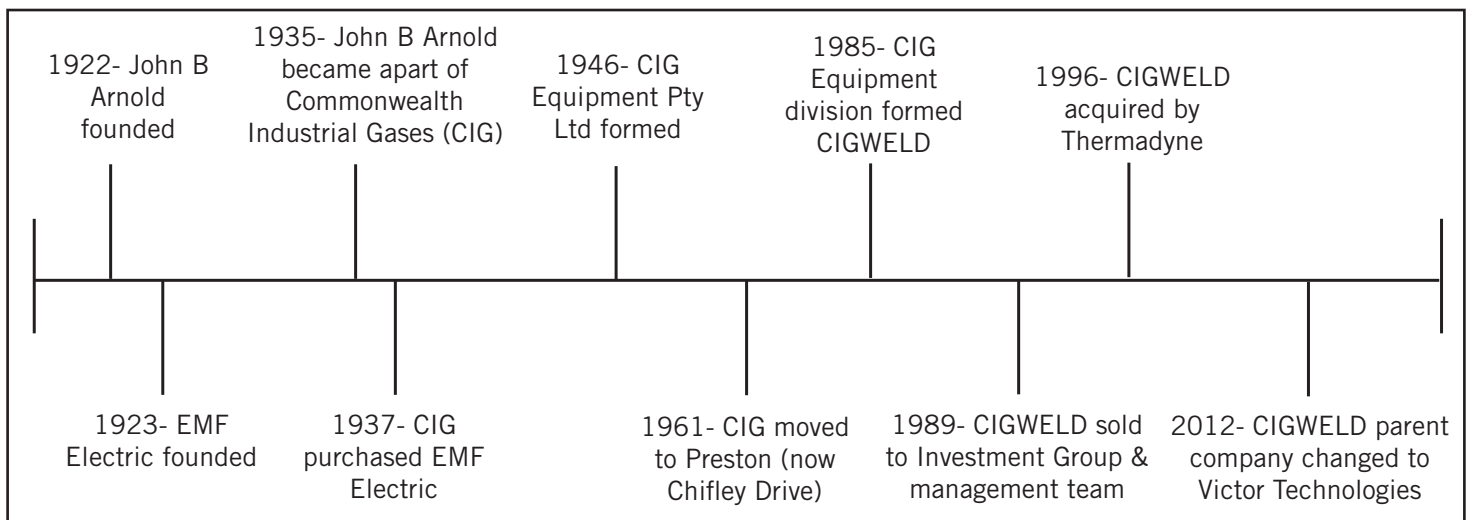


With Enthusiasm Burning

With Enthusiasm Burning is “the story of welding in Australia.. which indeed is very much the story of CIGWELD”.

This book covers the beginning of the welding industry in Australia, the people behind the industry, the challenges and achievements that welders went through in the beginning of welding.

Important Dates in CIGWELD History



Download the complete CIGWELD history from 1922-2012

CIGWELD



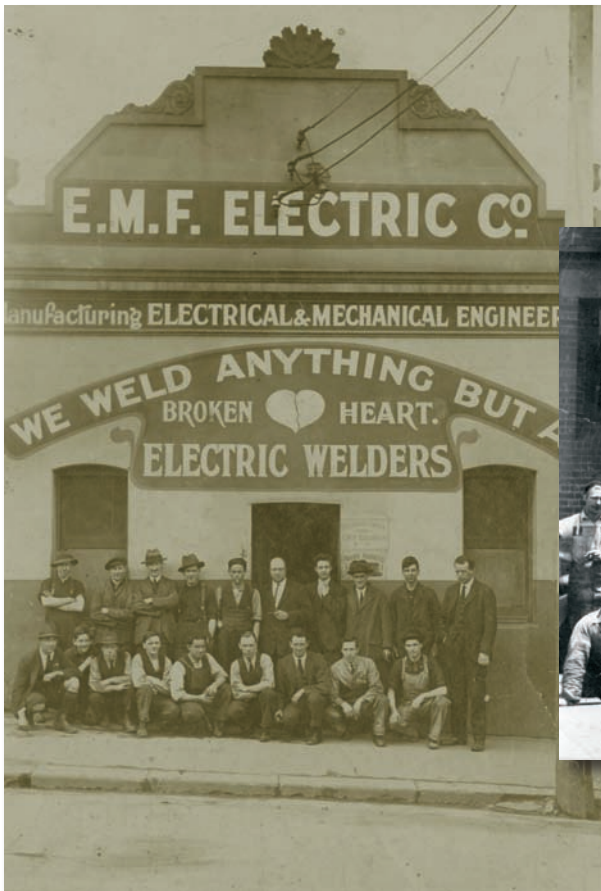
1922- John B Arnold founded



Annual Company
Picnic 1922

JB Arnold was established on 1st June, 1922. Specialized in manufacturing of gas welding and spray painting equipment.

1923- EMF Electric founded



Company Photos, 1923

EMF Electric was founded in May 1923, manufacturing spot welders and “firesticks”.

1935- John B Arnold became apart of Commonwealth Industrial Gases (CIG)



Factory Pictures of JB Arnold, 1936

Christmas, 1936.

FLASHES

3

E.M.F. ACTIVITIES OUTSIDE AUSTRALIA.

In order to consolidate our position in the New Zealand market, a subsidiary company was formed in the Dominion early in the present year, and a factory was established in April in Auckland for the manufacture of electrodes.

The manager of the New Zealand Company is Mr. G. N. Hayward, who formerly was the E.M.F. representative in the Dominion. His headquarters are in Wellington.

To Mr. Harwood was entrusted all the preparatory work for the manufacture and shipment of the plant for the factory, and, in association with Mr. Marsh, the supervision of its installation and the commencement of factory production. Mr. Harwood was preceded to New Zealand by Mr. Marsh, and was accompanied by Mr. T. Keogh, as chemist, and Messrs. Heath and Pratt, who remained there to form the nucleus of the factory organisation. Mr. Marsh is in charge of the factory and of the sales organisation in Auckland and district. Very good progress was made quite early, and the factory was in production before the end of May. This is a matter for congratulation. Practically the whole of New Zealand's requirements of E.M.F. electrodes are being met from the local factory.

The business done in New Zealand has, during the past few months, shown a substantial increase, being almost twice that done in the corresponding period of last year. Still better results are anticipated.

It is perhaps not so generally known that the company was also enabled to arrange during the year for the acquisition of a substantial interest in the South African Company, E.M.F. Welding Processes Pty. Ltd. The manufacture of E.M.F. electrodes in South Africa was commenced in 1933 by Messrs. J. T. and R. L. Edmunds, of Melbourne, in association with Mr. C. Marshall, of Durban, under licence from the Australian company. The success of the venture is easily attributable to Mr. J. T. Edmunds, and to the able assistance rendered to him by Mr. Carl Wellman, whose association with E.M.F. dates back to the early days of its history. Mr. Wellman is in charge of the factory at Johannesburg, and those who knew him will be glad to learn that we expect him shortly to pay us a visit.

It is confidently anticipated that the closer relationship between the two companies will have most beneficial results.

Thanks to the efforts already made by Mr. Edmunds and his staff to promote the welfare of the South African business, we have been successful recently in obtaining an order for two 250 kVA. butt welders, to be supplied to the South African Railways. We understand that tenders had also been submitted for similar plant by European manufacturers, and the success of the company against overseas competition is something for which we are very grateful. Congratulations to the South African organisation are fully deserved.

To our associates both in New Zealand and South Africa we extend our best wishes for a Happy Christmas and a Bright and Prosperous New Year.

Nurse, to Patient: "Have you got pyjamas?"
Patient: "That's not what the doctor said I had."

WELDING IN OUR EVERYDAY LIFE.

By D. F. O'Brien.

Have we ever considered the important part that welding plays in our everyday life? Our transport to and from business, whether it be by automobile, tram or train, may be effected by the use of welding. If by car, the roads on which we drive, if of concrete, are made of concrete with steel reinforcements, the steel reinforcements being fabricated on an automatic multi-head production spot welder designed for this purpose. The car or bus may be assembled by production resistance method. The advent of the all-steel motor body would have been impossible without the use of welding. In the course of our travels we perhaps journey over railway and highway bridges, both of which are fabricated by the use of electric welding. If we walk on footpaths of concrete, here again we are moving over welded steel reinforcements.

Tram rails are laid down in concrete with welded steel mesh, and are electrically bonded by welding. Railway track rails are now being joined together by welding, and rolling stock is now being fabricated by welding.

We may be working in a building, the frame of which is welded. The electric power upon which we depend for many purposes is generated in large generators fabricated by arc welding. Gas is made by plant and stored in gas holders made by welding. Water is conveyed to us by welded pipes and mains. Welding plays an important part in our telephone system.

When we sit at home and tune into a broadcasting station with our modern radio receivers, does it ever occur to us what an important part welding takes in enabling us to enjoy ourselves in comfort through this medium? In the construction of radio broadcasting equipment the framework of the control panels, switchgear and aerial masts again depend on welding. The modern radio receiver chassis is fabricated by welding. Even the valve filaments and valve grids are spot welded.

In the household, welding again plays an important part. We may be using steel furniture fabricated by welding. During the week-end, when our energies wander from usual daily toil to our favourite hobby, if it be gardening, here again I remind you to note, when using your modern gardening tools, welding is again in evidence. The steel handle has been flash-welded to the spade, the tines of the gardening fork are flash-welded on to the back rib, and the rake and hoe are produced by welding methods.

Whilst you are labouring in the garden, your wife or mother is perhaps in her domain—the kitchen—preparing meals in utensils fabricated by welding, such as frying-pans, saucepans, kettles and strainers, practically 75 per cent. of kitchen tools being made by welding.

The wire-work on which your electric light shades are constructed is spot welded. Ornamental gates and fences are made possible by welding.

The latest method of advertising, such as Neon light signs, also rely on welding. The framework supporting these signs is usually fabricated in welded steelwork, and the small element of the Neon light is produced by spot welding.

If we travel by air, the modern method of transport, we find that engineers have pinned their faith to welding in the construction of modern airliners.

1937- CIG purchased EMF Electric

A. C. ARC WELDER - PHOTOGRAPH JO. 205.

RATING: This machine can be supplied in two sizes, the respective ratings being 8.5 kVA and 10 kVA.

CAPACITY: 8.5 kVA Machine 10 kVA Machine
60 to 220 amperes 70 to 260 amperes.

GENERAL: This welder consists of a welding transformer and current regulating choke. If required, a condenser can be supplied to raise the power factor to approximately 0.8. The welding current is regulated by means of an adjustable core.

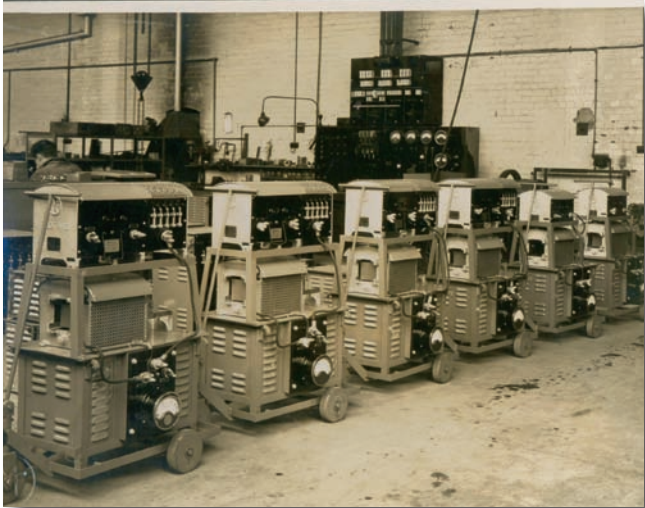
WEIGHT OF MACHINE: 8.5 kVA 10 kVA
Without Condenser, approximately 650 lbs. 658 lbs.
With " " 690 lbs, 718 lbs.

OVERALL DIMENSIONS: Either with or without condenser, approximately
 8.5 kVA 10 kVA
 33" x 22" x 33" high, 35" x 22" x 33" high.

(Including Accessories):

	<i>With Condenser.</i>	<i>Without Condenser.</i>	
8.5 kVA	£78.15.0	£63.0.0	Including Sales Tax.
10 kVA	£92.0.0	£71.0.0	" " "

Data sheet on product, 1937



Factory Pictures of CIG, 1937

1946- CIG Equipment Pty Ltd formed



CIG Factory, 1947

PORTABLE ARC WELDER - PHOTOGRAPH NO. 120.

RATING: 8 kVA

CAPACITY: 60 to 260 amperes

GENERAL: The Welder is of the Alternating Current Type and consists of a welding transformer and current regulating choke. If required a condenser can be supplied to raise the power factor to approximately 0.8.

The choke is of the tapped type giving close adjustment of welding current, and is provided with E.M.F. patented plug and sockets simplifying control and ensuring positive contact.

Removal of the choke from the transformer can be readily effected, this renders both parts easily portable, and, when conditions render it desirable, enables the operator to have the choke apart from the transformer.

The machine possesses high overall electrical efficiency, and provides an unusually stable arc and particularly good welding characteristics.

WEIGHT OF MACHINE: Without condenser, approximately 443 lbs. (Choke 147 lbs. Transformer 296 lbs.)
With condenser, approximately 483 lbs.

OVERALL DIMENSIONS: Either with or without condenser, approximately 16-1/2" x 24" x 29" high.

Price (Including Accessories):

<i>With Condenser.</i>	<i>Without Condenser.</i>	
£97.2.6	£81.7.6	(Inclusive of Sales Tax)

Data sheet on product, 1947

1961- CIG moved to from Carlton to Preston (now Chifley Drive)



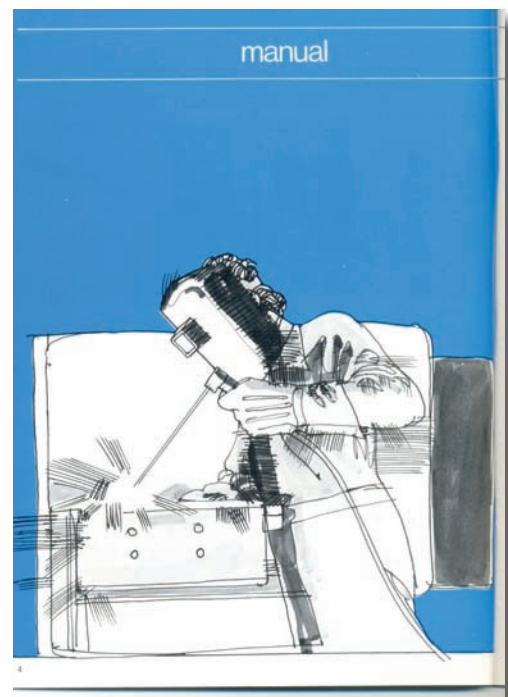
CIG Open House, 1964



CIG new premises in Preston, 1961



Board Meeting in Preston, 1965



CIG Manual



CIGWELD Supervisor Training, 1968



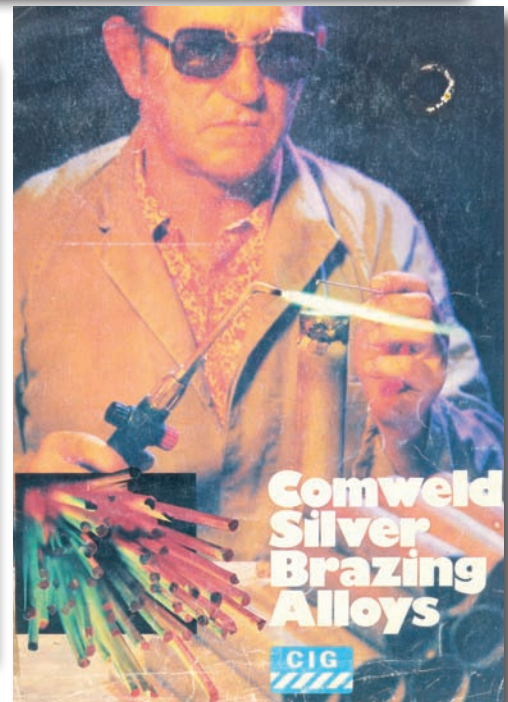
Ray Singl, August 1964



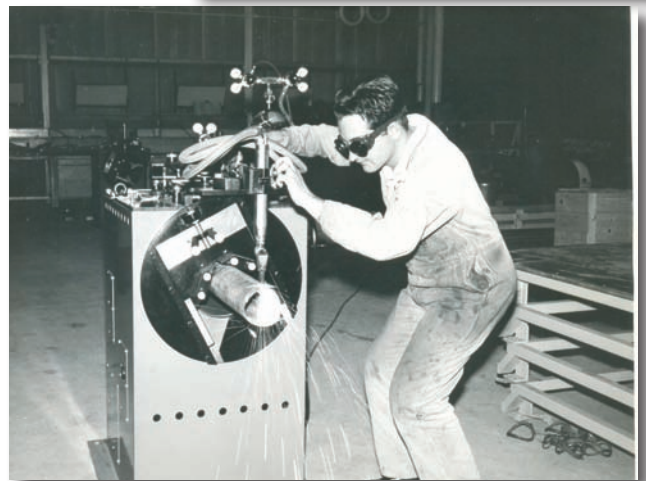
Apprentices, 1981



Work Skills, 1982



Electrode coating, 1982



Product Demonstration, 1980

It for the pro...ready to go...from CIG!

ged, robust, 'pro performance' packages. Tailored welding needs — on the farm, in the factory, shop, or around the home. Built to approved manufacturing and safety standards. Backed by CIG ties. And supported by CIG nationwide service pick-up. Visit your nearest CIG Distributor — there's shop on wheels, ready to go, when you are.



Performance, Service, Satisfaction

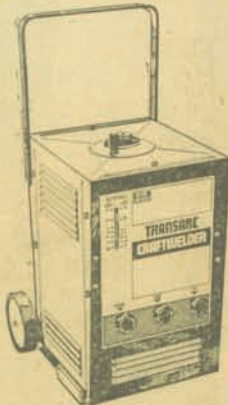
es not include cylinders. They can be rented from CIG Distributors. and Comet 3 plants do not include trolleys. These can be purchased separately.

Craftwelder

the added dual tapping. 2.5 mm low and 3.5 mm and stainless steels to smoothly. The farmer, or light fabricator... there is only power supply, amp.

around

\$50

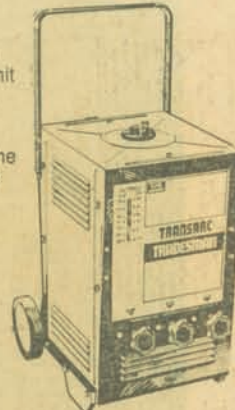


Transarc Tradesman

A multi-voltage (220 to 480V) light industrial unit rated at 230 amp max. Designed for regular operation in metal fabrication. Operates the full range of electrodes from 2.5 mm to 4 mm.

around

\$330



st, 'go-anywhere' oxy-acetylene welding & cutting unit. Ideally designed to light industrial, and once work in areas like roof. And to give the in scope to be active and advanced around the home

around

\$200



Comet Sprint

A medium-sized oxy-acetylene welding & cutting unit. Ideal for light industrial production line work; panel beating shops; intricate precision work on jewellery and craft items, etc.

around

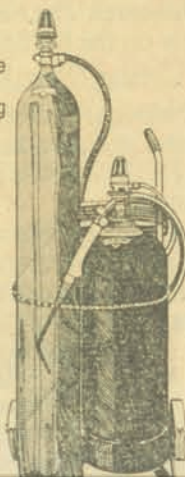
\$220



'Wheel' of the heavy-duty oxy-acetylene welding unit for shop, factory, or farm use.

around

\$290

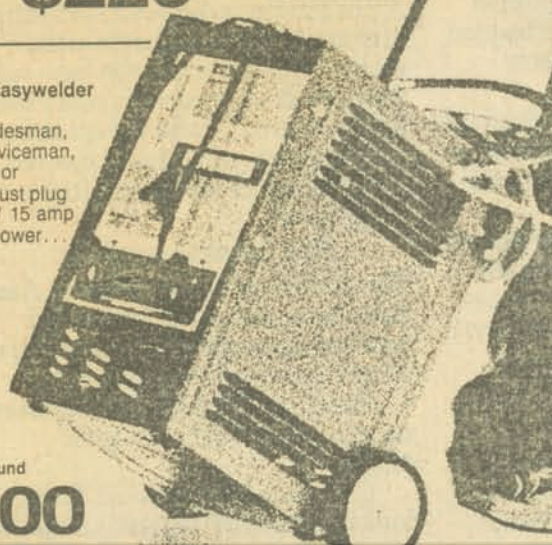


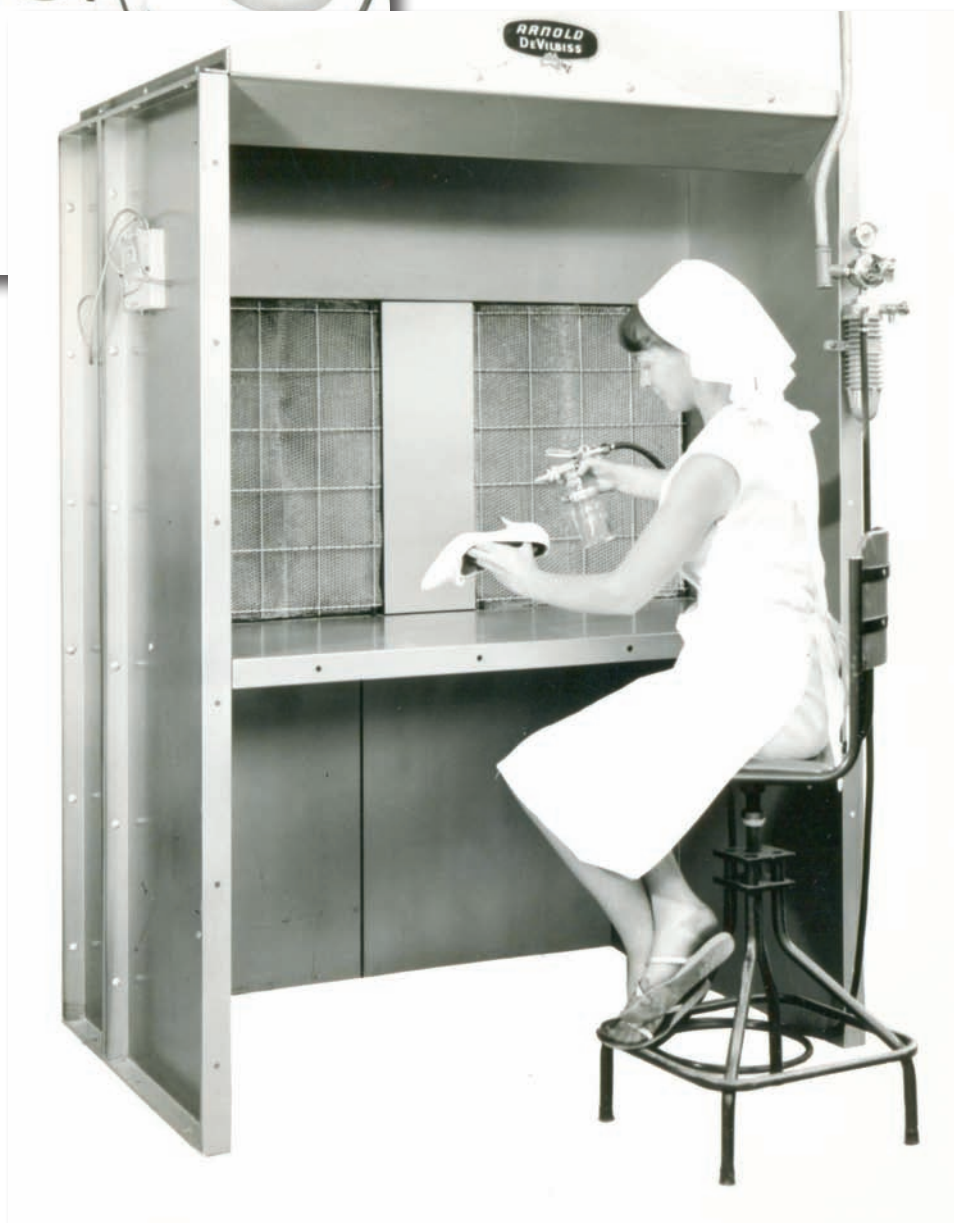
Transarc Easywelder

For the tradesman, farmer, serviceman, handyman or hobbyist. Just plug it into 240V 15 amp domestic power... and weld!

around

\$200

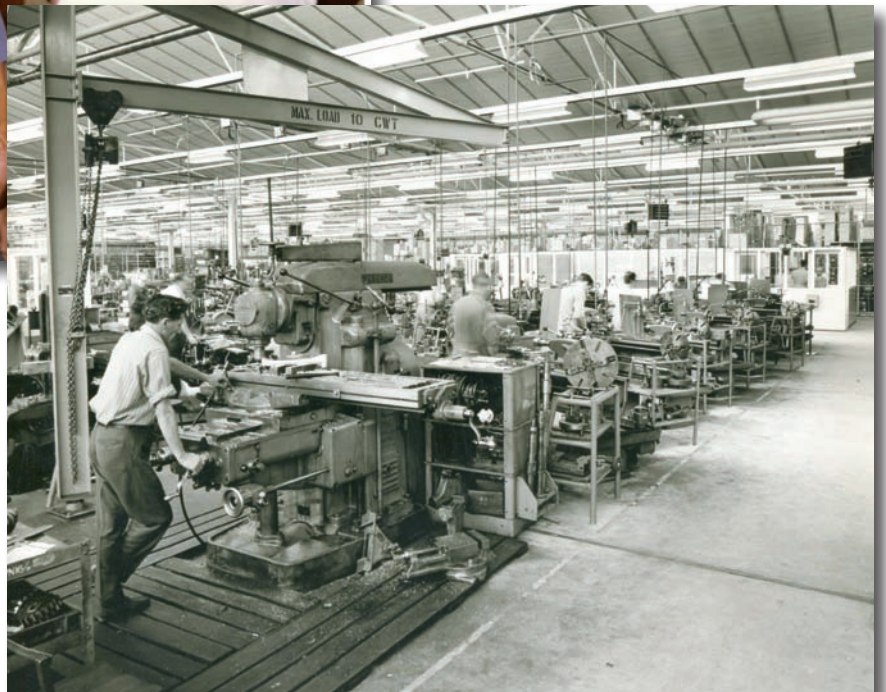




1985- CIG Equipment division formed CIGWELD



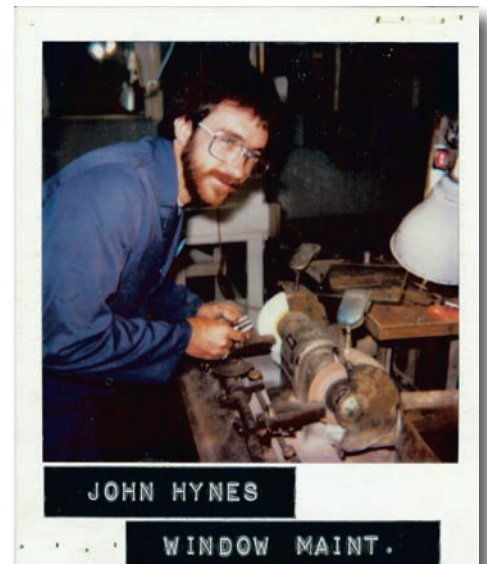
Product Training, 1987



CIGWELD factory, 1985

Marketing Campaign, 1987





CIGWELD Employees, 1987

The CIGWELD brand was formed from the CIG Equipment Division with 700 employees in Australia and 120 in the Philippines.

1989- CIGWELD sold to Investment Group & management team

Management acquires CIG's welding business

By ALAN DEANS,
Sydney

Commonwealth Industrial Gases is to sell its welding equipment business, Cigweld, for more than \$85 million to a management buyout team.

The deal, believed to be the second-largest buyout in Australia after last year's Sunbeam Victa transaction, has been arranged by Byvest and the consulting and investment group Byron Holdings.

Cigweld's chief executive, Mr Dennis Klanjscek, said that, while his company was operating in a mature business, it was expanding overseas sales.

He was confident that the company could service the debt being assumed in the buyout, adding there would be no asset sales or staff cuts.

The deal is to be funded by 90 per cent debt. Senior debt will account for 70 per cent, while CIG will provide 10 per cent through senior subordinated debt. Byvest will take the remaining 10 per cent on a junior subordinated basis.

The equity in Cigweld will be held 41 per cent each by Byvest and Byron and 18 per cent by 10 senior executives.

The deal is a landmark for Byvest because it takes more than \$250 million the business it has transacted in the past year, including the Sunbeam Victa buyout.

The Cigweld buyout was successful against keen bidding from other welding products groups, including Lincoln, Thermodyne, Union Carbide and Esab-Aga.

Cigweld has total annual sales of about \$120 million and last year earned a net profit of more than \$12 million.

Importantly, CIG has agreed to continue selling Cigweld's products through its retail chain, a deal that in the past has accounted for 40 per cent of revenue.

CIG has sold Cigweld, which it has owned for about 20 years, to concentrate on its gas business.

— Sydney Morning Herald



Management signing of CIGWELD, 1989



INVESTMENT

Financial Review, Friday, July 7, 1989

25

Plan for \$85m buy-out of CIG arm

By MICHAEL LYNCH

CIGWELD, a division of Commonwealth Industrial Gases, is to be privatised through an \$85 million-plus management buy-out.

The move will see the Byvest Management Buyout Group emerge with a 41 per cent stake in CIGWELD, Byron Holdings Ltd holding a 41 per cent stake and the management of the CIG division, led by chief executive Mr Dennis Klanjscek, take an 18 per cent share. Byvest's managing director, Mr David Saunders, said yesterday.

The transaction, which is subject to

approval by CIG's shareholders, is thought to be Australia's second-largest buy-out to date.

CIGWELD is Australia's largest manufacturer and supplier of welding equipment, welding consumables and gas equipment, and has its manufacturing base at Preston, Victoria, with sales offices located throughout the country. It employs about 800 people.

Mr Saunders said the opportunity arose because of moves by CIG's parent company, BOC Group PLC of Britain, to concentrate on its gas activities. The CIGWELD division

was virtually the last welding business BOC owned.

"In many ways, CIGWELD represents the classical buy-out. The management team is very experienced and professional and the business enjoys a strong market position in a mature industry and generates a proven cash flow."

CIGWELD's management team initially sought advice on the bid from Pappas Carter Evans & Coop, the strategy consulting division of Byron Holdings Ltd.

Mr Klanjscek said that he and his

colleagues saw the buy-out as an opportunity to keep the company under Australian ownership as the other likely bidders were large overseas companies.

According to Mr Saunders, CIGWELD's 1988 turnover was about \$120 million, with pre-tax and interest earnings of \$13.5 million.

He said that funding for \$92 million had been arranged, with 70 per cent from a group of banks of which Toronto Dominion was the lead bank. The deal had been structured so that it could withstand a severe recession if the economy took a hard landing, he added.

- - AUG 1989

Date *Manufacturers Monthly*

NEVILLE JEFFRESS/PIDLER PTY. LTD.
Box 4276, G.P.O., Sydney, 2001.

Management buy-out team will look to boost welding exports

A proposed management buy-out of **Cigweld**, the welding products division of Commonwealth Industrial Gases (CIG), is reputedly worth \$85 million.

Melbourne-based Cigweld is the largest manufacturer and supplier of welding equipment, welding consumables and gas equipment in Australia. It employs around 800 people.

The company in the new form will keep its identity, through an agreement with CIG to retain and use the name Cigweld.

The existing management of Cigweld will have an 18 per cent holding in the new company.

The other shareholders will be Byvest Management Buyout Group and Byron Holding Ltd, both with 41 per cent.

The members of the Cigweld management team are:

- Dennis Klanjscek - chief executive.
- George Aitken - manufacturing.
- Martin Quinn - marketing.
- John Wilson - sales.
- Kingsley Ediriweera - finance.

•Bob Kilcullen - international.

•Stan Gormley - personnel.

•Dick Ellis - systems.

•Gordon Brown - warehousing and distribution.

•Patrick Harper - Philippines operations.

Dennis Klanjscek tells *Manufacturers' Monthly* that the large investment programme carried out over the last two or three years by Cigweld will be continued under the new ownership.

"We are certainly not going to stop" he says.

Export growth in the last fiscal year was around 35 per cent, and he expects this growth trend to at least continue, if not increase.

In June this year, Cigweld won a prestigious award for developing and promoting locally made products from the Advance Australia Foundation.

A big factor in the company winning the award was the production of the Comet regulators which are made in Melbourne.

When asked about export plans, Dennis Klanjscek says: "At

present, we will concentrate on the Pacific region, with our manufacturing operations in Melbourne and the Philippines."

The buy-out includes a Filipino manufacturing operation, Philippine Welding Equipment.

At this stage, the management team is not looking to export to the lucrative European and USA markets.

For further information on Cigweld products

QUOTE 8/101
ON ENQUIRY CARD



Cigweld chief executive Dennis Klanjscek receives the award from Advance Australia Foundation's Bill Pollock.

1996- CIGWELD acquired by Thermadyne



Thermadyne is one of the world's leading suppliers in cutting and welding products. Thermadyne was originally founded in 1987, and brought with it an impressive portfolio of other welding and cutting brands. Stooddy hard facing consumables, Thermal Dynamics plasma cutting equipment, Tweco MIG and ARC accessories, Arcair gouging products, And Victor – which was the company's strongest and most established brand of nearly 100 years, renowned globally for gas equipment.

2012- CIGWELD parent company changed to Victor Technologies

In May 2012 the company have taken a new direction by changing their name to Victor Technologies (from Thermadyne), in celebration of the proud heritage within one of their strongest global brands (Victor). By leveraging the Victor name globally and embodying the pioneering spirit of the company, Victor Technologies reinforces to the industry their focus on meeting the needs of the end user customer by providing advanced cutting, welding and gas control solutions through each of their brands.

While the parent company has changed from 'Thermadyne' to 'Victor Technologies', CIGWELD Pty Ltd will still operate in Australia as the trading entity and will continue to market and promote CIGWELD, Stooddy, Tweco and Thermal Dynamics branded products throughout the Asia Pacific markets.



CIGWELD's head office is still located in Gower Street, Preston.

CIGWELD is now responsible for the organization, sales and staff of CIGWELD Asia Pacific.

South Pacific: Australia, New Zealand, Papua New Guinea, Near Pacific Islands

South Asia: India, Indonesia, Malaysia, Singapore, Thailand, Philippines, Vietnam, Pakistan, Sri Lanka

North Asia: China, Hong Kong, Japan, South Korea, Taiwan



CIGWELD Brand Slogans over the years

“The professionals choice”

“Every job needs Skill”

“We weld anything but a broken heart”

“Any which way you weld”

“When welding is your business”

“The only choice for the serious welder”

“CIGWELD on the move”

“It's just another way we tick off our competitors”

“A family of welding market leaders”

CIGWELD