

BSE REFERENCE LIST FOR LANCE MANIPULATORS

Steelplant	Country	Place	EAF Type	Transformer	No. of Units	Start-Up
TREIBACHER INDUSTRIE AG	AUSTRIA	ALTHOFEN	15 t AC	7 MVA	1	2008
TREIBACHER INDUSTRIE AG	AUSTRIA	ALTHOFEN	2 t AC	1 MVA	1	2015
DUFERCO	BELGIUM	LA LOUVIÈRE	85 t DC	70 MVA	1	1997
ELLWOOD STEEL BELGIUM	BELGIUM	SERAING	85 t AC	85 MVA	1	1989
BELGO MINEIRA (PIRACICABA)	BRAZIL	PIRACICABA	60 t AC	45 MVA	1	1993
GERDAU ACONORTE - RECIFE	BRAZIL	RECIFE	30 t AC	25 MVA	1	1995
GERDAU COSIGUA	BRAZIL	RIO DE JANEIRO	120 t AC	75 MVA	2	1990
GERDAU COSIGUA	BRAZIL	RIO DE JANEIRO	96 t AC	75 MVA	1	1999
GERDAU GUAIRA	BRAZIL	ARAUCÁRIA	70 t AC	40 MVA	1	1990
GERDAU NOVA IGUACU	BRAZIL	NOVA IGUACU	60 t AC	40 MVA	1	1990
GERDAU RIOGRANDENSE	BRAZIL	SAPUCAIA DO SUL	24 t AC	26 MVA	1	1998
GERDAU USIBA	BRAZIL	SIMÕES FILHO	95 t AC	76 MVA	1	1993
SINOBRAS	BRAZIL	MARABÁ	40 t AC	40 MVA	1	2004
GERDAU AMERISTEEL CAMBRIDGE	CANADA	CAMBRIDGE	40 t AC	30 MVA	1	1993
GERDAU AMERISTEEL WHITBY	CANADA	WHITBY	136 t AC	76 MVA	1	1996
GUANGZHOU IRON AND STEEL	CHINA	GUANGZHOU	40 t AC	48 MVA	1	2000
JIUQUAN IRON AND STEEL (GROUP)	CHINA	JIAYUGUAN CITY	90 t AC	75 MVA	1	2005
SHANGHAI N°1	CHINA	BAOSHAN	90 t AC	70 MVA	1	2003
SHANGHAI N°1	CHINA	BAOSHAN	90 t AC	70 MVA	1	2004
SHAOXING STEELPLANT	CHINA	SHAO XING	70 t AC	50 MVA	1	1997
TPCO - TIANJIN PIPE CORPORATION	CHINA	TIANJIN	150 t AC	100 MVA	1	1997
WUXI XIXING	CHINA	QIANQIAO WUXI	34 t AC	20 MVA	1	1996
XINJIANG BAYI IRON & STEEL CORP. LTD.	CHINA	WULUMUQI	70 t DC	60 MVA	1	1999
SIDELPA - SIDERURGICA DEL PACIFICO, S. A.	COLOMBIA	CALI	30 t AC	18 MVA	1	1999

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AL-EZZ (EX ANSDK)	EGYPT	ALEXANDRIA	80 t AC	46 MVA	4	1994
ACIERS D'ALLEVARD	FRANCE	GONCELIN	40 t AC	30 MVA	1	1992
ALPA (RIVA GROUP)	FRANCE	GARGENVILLE	70 t AC	50 MVA	1	1987
ARCELORMITTAL CHATEAUNEUF	FRANCE	RIVE DE GIER CEDEX	95 t AC	32 MVA	1	2008
ASCO INDUSTRIES HAGONDANGE	FRANCE	HAGONDANGE	125 t AC	90 MVA	1	2014
ASCOMETAL HAGONDANGE	FRANCE	HAGONDANGE	100 t AC	90 MVA	1	1990
ASCOMETAL USINE DE FOS	FRANCE	FOS-SUR-MER CEDEX	120 t AC	90 MVA	1	1989
ASCOMETAL USINE DE FOS	FRANCE	FOS-SUR-MER CEDEX	135 t AC	100 MVA	1	2008
CREUSOT LOIRE INDUSTRIE - CLI - CREUSOT WORKS	FRANCE	LE CREUSOT	100 t AC	30 MVA	1	1998
FORCAST THIONVILLE	FRANCE	THIONVILLE	65 t	50 MVA	1	1989
IMPHY ALLOYS	FRANCE	IMPHY	35 t AC	25 MVA	1	2007
ISPAT UNIMETAL GANDRANGE	FRANCE	AMNÉVILLE	170 t DC	150 MVA	2	1994
LME - SME - LAMINES MARCHANDS EUROPEENS	FRANCE	TRITH SAINT LÉGER	85 t DC	72 MVA	1	1998
MANNESMANN - VALLOUREC INDUSTRIES	FRANCE	SAINT-SAULVE	80 t AC	85 MVA	1	1990
SAM MONTEREAU	FRANCE	MONTEREAU	80 t AC	60 MVA	1	1991
SAM MONTEREAU	FRANCE	MONTEREAU	90 t AC	90 MVA	2	1993
SAM NEUVES MAISONS / UNM	FRANCE	NEUVES-MAISONS	150 t AC	90 MVA	1	1992
UGINE SAVOIE	FRANCE	UGINE	41 t AC	19 MVA	1	1999
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	80 t AC	57 MVA	2	1985
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	80 t AC	57 MVA	2	1993
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	80 t AC	57 MVA	2	1996
BADISCHE STAHLWERKE GMBH	GERMANY	KEHL	80 t AC	75 MVA	2	2003
DEUTSCHE EDELSTAHLWERKE GMBH	GERMANY	SIEGEN-GEISWEID	135 t AC	70 MVA	1	1992
DEUTSCHE EDELSTAHLWERKE GMBH	GERMANY	WITTEN	120 t AC	75 MVA	1	1999
DEUTSCHE EDELSTAHLWERKE GMBH	GERMANY	SIEGEN-GEISWEID	135 t AC	75 MVA	1	2001
GRÖDITZER STAHLWERKE GMBH	GERMANY	GRÖDITZ	80 t AC	57 MVA	1	1993

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LECHSTAHLWERKE GMBH	GERMANY	MEITINGEN	75 t AC	50 MVA	1	1998
PEINER TRÄGER GMBH	GERMANY	PEINE	110 t DC	70 MVA	1	1995
SMS SIEMAG AG (FUXIN SPECIAL STEEL / P.R. CHINA)	GERMANY	DÜSSELDORF	160 t AC	0 MVA	1	2011
STAHLWERK BOUS GMBH	GERMANY	BOUS / SAAR	70 t AC	45 MVA	1	1997
THYSSEN KRUPP VDM UNNA	GERMANY	UNNA	30 t AC	90 MVA	1	1996
SIDENOR THESSALONIKI	GREECE	THESSALONIKI	60 t AC	50 MVA	1	1992
SOVEL	GREECE	ALMYROS, MAGNISSIA	130 t AC	120 MVA	1	2016
APOLLO INTERNATIONAL LTD	INDIA	HARYANA	36 t AC	21 MVA	1	2010
BHUSHAN STEEL & STRIPS	INDIA	ORISSA	180 t AC	140 MVA	2	2007
EASTERN METEC PRIVATE LTD (INDIAN RAILWAY COMPANY)	INDIA	KOLKATA	22 t AC	0 MVA	3	2010
ESSAR STEEL	INDIA	HAJIRA	150 t DC	120 MVA	3	1994
ISMT LTD.	INDIA	PUNE	40 t AC	36 MVA	1	2008
JINDAL STAINLESS	INDIA	DEBURI / ORISSA	40 t AC	28 MVA	1	201?
JINDAL STEEL AND POWER LTD.	INDIA	NEW DELHI	110 t AC	95 MVA	1	2005
JINDAL STEEL AND POWER LTD.	INDIA	NEW DELHI	110 t AC	95 MVA	1	2006
KESHARI STEELS	INDIA	INDORE	30 t AC	25 MVA	1	1988
VARDHMAN SPECIAL STEELS	INDIA	LUDHIANA, PUNJAB	35 t AC	20 MVA	1	2013
VISA STEEL LIMITED	INDIA	ORISSA	70 t AC	60 MVA	1	2010
HANIL JAYA	INDONESIA	SURABAYA	30 t AC	22 MVA	1	1995
ISPAT INDO	INDONESIA	SURABAYA	88 t DC	80 MVA	1	1998
ISPAT INDO	INDONESIA	SURABAYA	100 t AC	80 MVA	1	2005
KRAKATAU STEEL	INDONESIA	WEST JAVA	60 t AC	40 MVA	1	1996
P.T. TOYO GIRI IRON & STEEL	INDONESIA	BEKASI JAWA BARAT	32 t AC	20 MVA	1	2010
IRISH STEEL LTD. / IRISH ISPAT	IRELAND	CORK	100 t AC	65 MVA	1	1988
HOD ASSAF STEEL LTD.	ISRAEL	AKKO	54 t AC	48 MVA	1	1992
YEHUDA STEEL LTD.	ISRAEL	ASHDOD	25 t AC	18 MVA	1	1998

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ACCIAIERIE DI CALVISANO SPA	ITALY	CALVISANO	70 t AC	48 MVA	1	2009
ASO	ITALY	OSPITALETTO	32 t DC	22 MVA	1	1996
FERRERO	ITALY	S. DIDERO	82 t AC	75 MVA	1	1997
KANSAI STEEL	JAPAN	OSAKA	75 t AC	42 MVA	1	1991
MITSUBISHI STEEL MURORAN INC.	JAPAN	MURORAN	100 t DC	65 MVA	1	1993
TOKYO STEEL - KYUSHU WORKS	JAPAN	FUKUOKA-KEN	130 t DC	100 MVA	1	1990
TOKYO STEEL - OKAYAMA WORKS	JAPAN	OKYAMA	140 t DC	140 MVA	2	1991
TOKYO STEEL - TAKAMATSU WORKS	JAPAN	KAGAWA-KEN	60 t DC	50 MVA	2	1991
UBE STEEL	JAPAN	UBE	60 t AC	50 MVA	1	1990
ARCELORMITTAL BELVAL & DIFFERDANGE S.A.	LUXEMBOURG	ESCH-SUR-ALZETTE	155 t DC	165 MVA	1	2007
ANN JOO STEEL BERHAD	MALAYSIA	PRAI, PULAU PINANG	80 t DC	82 MVA	1	2003
PERWAJA - KEMAMAN PLANT	MALAYSIA	KEMAMAN	75 t DC	15 MVA	3	1990
PERWAJA - KEMAMAN PLANT	MALAYSIA	KEMAMAN	120 t DC	90 MVA	2	1995
SOUTHERN STEEL BERHAD	MALAYSIA	PRAI (PULAU PINANG)	70 t DC	67 MVA	1	1992
SOUTHERN STEEL BERHAD	MALAYSIA	PRAI (PULAU PINANG)	85 t DC	85 MVA	2	1996
CSC COMPANIA SIDERURGICA DE CALIFORNIA / SIMEC	MEXICO	MEXICALI	65 t AC	40 MVA	1	1993
CSG COMPANIA SIDERURGICA DE GUADALAJARA / SIMEC	MEXICO	GUADALAJARA	65 t AC	40 MVA	1	1993
DEACERO, S.A. DE C.V.	MEXICO	GARZA GARCIA	50 t AC	40 MVA	1	1989
OVAKO WIRE BV	NETHERLANDS	ALBLASSERDAM	40 t AC	25 MVA	2	1991
STEELASIA MANUFACTURING GROUP	PHILIPPINES	TAGUIG CITY	65 t AC	54 MVA	1	2013
CMC ZAWIERCIE S.A. (EX HUTA ZAWIERCIE)	POLAND	ZAWIERCIE	140 t AC	62 MVA	1	1993
SIDERURGIA NACIONAL S.A.	PORTUGAL	ERMSINDE	74 t AC	45 MVA	1	1996
QATAR STEEL COMPANY LTD.	QATAR	MESAIEED	80 t AC	65 MVA	3	1999
ARCELORMITTAL SOUTH AFRICA LTD (EX ISCOR)	REPUBLIC OF SOUTH AFRICA	PRETORIA	140 t AC	80 MVA	2	1990
ARCELORMITTAL SOUTH AFRICA LTD (EX ISCOR)	REPUBLIC OF SOUTH AFRICA	VEREENIGING	57 t AC	55 MVA	1	1994
CAPE TOWN IRON AND STEEL WORKS	REPUBLIC OF SOUTH AFRICA	KUILSRIVIER	35 t AC	25 MVA	1	1996

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COLUMBUS STAINLESS	REPUBLIC OF SOUTH AFRICA	MIDDELBURG	100 t AC	70 MVA	1	1994
DAVSTEEL (PTY) LTD.	REPUBLIC OF SOUTH AFRICA	VANDEBIJLPARK	60 t AC	45 MVA	1	1988
SCAW METALS LTD.	REPUBLIC OF SOUTH AFRICA	GERMISTOWN	55 t AC	40 MVA	1	1989
S.C. TMK-RESITA S.A.	ROMANIA	RESITA	125 t AC	75 MVA	1	2009
HADEED	SAUDI ARABIA	MADINAT AL-JUBAIL	145 t AC	130 MVA	1	1998
HADEED	SAUDI ARABIA	MADINAT AL-JUBAIL	150 t AC	125 MVA	2	1999
ACRONI D.O.O.	SLOVENIA	JESENICE	85 t AC	60 MVA	1	2000
METAL RAVNE D.O.O.	SLOVENIA	RAVNE NA KOROSKEM	50 t AC	36 MVA	1	2004
CHANGWON SPECIALTY STEEL	SOUTH KOREA	CHANGWON	30 t AC	22 MVA	1	1994
DONGKUK INCHON	SOUTH KOREA	INCHON	98 t DC	60 MVA	1	1992
DONGKUK PUSAN	SOUTH KOREA	PUSAN	50 t AC	42 MVA	1	1995
DONGKUK PUSAN	SOUTH KOREA	PUSAN	40 t AC	33 MVA	1	1995
HYUNDAI STEEL COMPANY (EX HANBO)	SOUTH KOREA	DANGJIN	150 t DC	120 MVA	3	1995
HYUNDAI STEEL COMPANY (EX INI)	SOUTH KOREA	INCHON	86 t AC	55 MVA	1	1994
KISCO CHANGWON - KOREA IRON AND STEEL CO.	SOUTH KOREA	CHANGWON	120 t DC	100 MVA	1	1992
KISCO MASAN - KOREA IRON AND STEEL CO.	SOUTH KOREA	MASAN	65 t AC	42 MVA	1	1995
POSCO - POHANG IRON & STEEL	SOUTH KOREA	POHANG	88 t AC	70 MVA	1	2001
POSCO - POHANG IRON & STEEL	SOUTH KOREA	POHANG	95 t AC	85 MVA	1	2002
ACERALIA- ARISTRRAIN- ALTOS HORNOS DE BERGARA	SPAIN	BERGARA / GIPÚZCOA	140 t AC	80 MVA	1	1990
ARISTRRAIN MADRID	SPAIN	MADRID	140 t AC	70 MVA	1	1988
ARISTRRAIN OLABERRIA	SPAIN	OLABERRIA	140 t AC	70 MVA	1	1991
AZMA	SPAIN	GETAFE	70 t AC	36 MVA	1	1993
CELSA BARCELONA	SPAIN	CASTELLBISBAL	130 t AC	90 MVA	1	1995
CELSA NERVACERO	SPAIN	BILBAO	120 t AC	80 MVA	1	1990
GLOBAL STEEL AND WIRE NUEVA MONTANA	SPAIN	SANTANDER	100 t AC	67 MVA	1	1988
MEGASA - MEGASA SIDERURGICA. S.L.	SPAIN	LA CORUÑA	85 t AC	88 MVA	1	1993

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SIDENOR BASAURI	SPAIN	BASAURI	100 t AC	87 MVA	1	1997
SIDERURGICA SEVILLANA (RIVA GROUP)	SPAIN	SEVILLA	80 t AC	60 MVA	1	1999
TUBOS REUNIDOS	SPAIN	AMURRIO	94 t DC	57 MVA	1	1995
OVAKO STEEL AB	SWEDEN	HOFORS	98 t AC	60 MVA	1	1996
SANDVIK MATERIALS TECHNOLOGY	SWEDEN	SANDVIKEN	75 t AC	50 MVA	1	2011
SANDVIK STEEL AB	SWEDEN	SANDVIKEN	75 t AC	50 MVA	1	1989
STAHL GERLAFINGEN AG (SWISS STEEL)	SWITZERLAND	GERLAFINGEN	70 t AC	60 MVA	1	1986
VON MOOS STAHL AG (SWISS STEEL)	SWITZERLAND	EMMENBRUECKE	70 t AC	40 MVA	1	1989
VON MOOS STAHL AG (SWISS STEEL)	SWITZERLAND	EMMENBRUECKE	70 t AC	40 MVA	1	1993
CHIEN SHUN STEEL CO. LTD	TAIWAN	HSIEN	50 t AC	35 MVA	2	2004
HAI KWANG ENTERPRISE CORP.	TAIWAN	KAOHSIUNG	50 t AC	48 MVA	2	2004
LUNG CHING STEEL	TAIWAN	KAOHSIUNG	85 t AC	60 MVA	1	1994
SHYEH SHENG FUAT STEEL & IRON	TAIWAN	KAOHSIUNG	65 t AC	42 MVA	1	1998
SHYEH SHENG FUAT STEEL & IRON	TAIWAN	KAOHSIUNG	70 t AC	50 MVA	1	2008
UNITED STEEL	TAIWAN	TAOYUAN HSIEN	50 t AC	36 MVA	1	1998
WALSIN LIHWA	TAIWAN	TAINAN HSIEN	45 t AC	33 MVA	1	2004
WORLD BEST CO. LTD.	TAIWAN	KAOHSIUNG	70 t AC	52 MVA	1	2012
YIEH UNITED STEEL CORP	TAIWAN	KAOHSIUNG	65 t AC	70 MVA	1	2002
YIEH UNITED STEEL CORP	TAIWAN	KAOHSIUNG	94 t AC	70 MVA	1	2012
TATA STEEL (EX NTS)	THAILAND	CHONBURI	75 t AC	65 MVA	1	1991
EL FOULADH	TUNISIA	MENZEL BOURGUIBA	18 t AC	15 MVA	1	2005
ASIL ÇELIK SAN. VE TIC. A.S,	TURKEY	ATASEHIR ISTANBUL	62 t AC	24 MVA	1	2012
CEBITAS	TURKEY	ALIAGA	70 t AC	40 MVA	1	1995
CEMTAS	TURKEY	BURSA	25 t AC	17 MVA	1	1999
EGEMETAL	TURKEY	IZMIR	90 t AC	75 MVA	1	1997
EKINCILER DEMIR VE CELIK	TURKEY	ISKENDERUN	90 t AC	70 MVA	1	1991

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ICDAS	TURKEY	ISTANBUL	80 t AC	70 MVA	1	1992
KAPTAN CELIK	TURKEY	ISTANBUL	100 t AC	90 MVA	1	2001
KOC CELIK SANAYI AS	TURKEY	OSMANYIE	60 t AC	60 MVA	1	2013
KROMAN CELIK	TURKEY	ISTANBUL	80 t DC	78 MVA	1	1993
YESILYURT	TURKEY	SAMSUN	45 t AC	25 MVA	1	1997
YOLBULAN BASTUG	TURKEY	OSMANIYE	130 t AC	120 MVA	1	2010
ALLIED STEEL AND WIRE LTD.	UNITED KINGDOM	CARDIFF	117 t AC	100 MVA	2	1988
BRYMBO STEEL	UNITED KINGDOM	MANCHESTER	90 t	50 MVA	1	1989
CORUS ENGINEERING STEELS	UNITED KINGDOM	ROTHERHAM	150 t AC	130 MVA	1	1993
METABRASIVE LTD	UNITED KINGDOM	WEST MIDLANDS	36 t AC	25 MVA	1	1998
OUTOKUMPU STAINLESS LTD.	UNITED KINGDOM	SHEFFIELD	130 t AC	90 MVA	1	1999
SHEERNESS STEEL	UNITED KINGDOM	KENT	90 t AC	80 MVA	2	1989
AK STEEL	UNITED STATES	BUTLER	175 t AC	56 MVA	1	2001
CHARTER STEEL	UNITED STATES	SAUKVILLE	70 t DC	50 MVA	1	1991
CMC STEEL TEXAS	UNITED STATES	SEGUIN	92 t AC	70 MVA	1	1990
CMC STEEL TEXAS	UNITED STATES	SEGUIN	220 t AC	110 MVA	1	1996
GALLATIN STEEL	UNITED STATES	GHENT	180 t DC	150 MVA	2	1997
GERDAU AMERISTEEL SAYREVILLE	UNITED STATES	SAYREVILLE	70 t AC	65 MVA	1	1988
MITTAL STEEL USA (EX-GEORGETOWN STEEL)	UNITED STATES	GEORGETOWN	70 t AC	50 MVA	2	1990
NUCOR STEEL AUBURN	UNITED STATES	AUBURN	60 t AC	40 MVA	1	1994
NUCOR-YAMATO STEEL CORP	UNITED STATES	BLYTHEVILLE	120 t AC	65 MVA	2	1996
REPUBLIC ENGINEERED STEELS INC.	UNITED STATES	CANTON	220 t AC	110 MVA	1	1988
THYSSENKRUPP STAINLESS USA	UNITED STATES	CALVERT	160 t AC	0 MVA	1	2012
TIMKENSTEEL	UNITED STATES	CANTON	120 t AC	55 MVA	1	2016
SIDETUR S.A.	VENEZUELA	BARQUISIMETO	50 t AC	34 MVA	1	1993
SIDETUR S.A.	VENEZUELA	PUERTO ORDAZ	85 t AC	70 MVA	1	1994

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Number of Lance Manipulator References: 215